

Encraft India Pvt Ltd.

70, Okhla Industrial Estate, Phase – III,
New Delhi – 110020





About Our Company

Our Vision

ENCRAFT Vision is to Create Desire by exploring the boundaries of fenestration solutions.

Our Mission

ENCRAFT strives to be the best provider of environmental, sustainable and innovative fenestration solutions specially designed for the Indian subcontinent to create value for all our stakeholders through collaboration with our committed associates and employees.



Contents :-

Sr. No.	Name of Certificates	Agency
01	ISO Certificates (9001:2015, 14001:2015, 45001:2018)	TUV NORD
02	MSME Certificate	MSME
03	IGBC Certificate	CII
04	ZED Certificates	ZED MSME
05	QCFI Certificate	QCFI
06	Product Testing (Mechanical)	CIPET-Dehradun
07	Product Testing (Mechanical)	ShriRam Institute Delhi
08	Product Testing (Mechanical)	DTU
09	Fire Resistance Test	Spectro lab
10	ROHS Compliance	Spectro lab
11	Factory License	Govt



CERTIFICATE

Management system as per
ISO 9001 : 2015

The Certification Body TÜV NORD CERT GmbH hereby confirms as a result of the audit, assessment and certification decision according to ISO/IEC 17021-1:2015, that the organization

ENCRAFT INDIA PVT. LTD.
Head Office: 70, Okhla Industrial Estate,
Phase 3, New Delhi - 110 020,

Works: Khasra Number 1000-1001, Beehive College Road,
Jamanpur, Central Hope Town, Selaqui Industrial Area,
Dehradun - 248 197, Uttarakhand,
India

with the locations according to the annex



operates a management system in accordance with the requirements of ISO 9001 : 2015 and will be assessed for conformity within the 3 year term of validity of the certificate.

Scope -

Design and Manufacture and Supply of UPVC Windows Profiles.

Certificate Registration No. **44 100 14390272**
Audit Report No. **2.5-6531/2014**

Valid from **16.07.2023**
Valid until **15.07.2026**
Initial certification **16.07.2014**



Certification Body
at TÜV NORD CERT GmbH

Mumbai, **13.07.2023**

TÜV NORD CERT GmbH

Am TÜV 1

45307 Essen

www.tuev-nord-cert.com

TUV India Pvt. Ltd., 801, Raheja Plaza – 1, L.B.S. Marg,

Ghatkopar (W), Mumbai - 400 086, India www.tuv-nord.com/in



ANNEX

to Certificate Registration No. 44 100 14390272

ISO 9001 : 2015

ENCRAFT INDIA PVT. LTD.

Head Office: 70, Okhla Industrial Estate,
Phase 3, New Delhi - 110 020,

Works: Khasra Number 1000-1001, Beehive College Road,
Jamanpur, Central Hope Town, Selaqui Industrial Area,
Dehradun - 248 197, Uttarakhand,
India



Certificate Registration No.	Location	Scope
44 100 14390272-001	ENCRAFT INDIA PVT.LTD. Works: Khasra Number 1000-1001, Beehive College Road, Jamanpur, Central Hope Town, Selaqui Industrial Area, Dehradun - 248 197, Uttarakhand, India	Manufacture and Supply of UPVC Windows Profiles.
44 100 14390272-002	ENCRAFT INDIA PVT.LTD. Head Office: 70, Okhla Industrial Estate, Phase 3, New Delhi - 110 020, India	Design and Marketing of UPVC Windows Profiles.
44 100 14390272-003	ENCRAFT INDIA PVT.LTD. Warehouse - Pune Ground Floor, Gat No-43/1, Gavali Estate, Vaghajai, Mata Mandir, Chimbali, Pune- 412105, Maharashtra, India	Storage and Dispatch of UPVC Windows Profiles.
44 100 14390272-004	ENCRAFT INDIA PVT.LTD. Warehouse - Hyderabad Survey No-126/A/1, Door No 4-132/9/A/1 Gandhimisamma X Road, Medhchal, Malkajgiri, Hyderabad - 500 044, India	Storage and Dispatch of UPVC Windows Profiles.

End of the List



Certification Body

at TÜV NORD CERT GmbH

Mumbai, **13.07.2023**

TÜV NORD CERT GmbH

Am TÜV 1

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TUV India Pvt. Ltd., 801, Raheja Plaza – 1, L.B.S. Marg,

Ghatkopar (W), Mumbai - 400 086, India www.tuv-nord.com/in



CERTIFICATE

Management system as per
ISO 14001 : 2015

The Certification Body TÜV NORD CERT GmbH hereby confirms as a result of the audit, assessment and certification decision according to ISO/IEC 17021-1:2015, that the organization

ENCRAFT INDIA PVT. LTD.
Head Office: 70, Okhla Industrial Estate,
Phase 3, New Delhi - 110 020,

Works: Khasra Number 1000-1001, Beehive College Road,
Jamanpur, Central Hope Town, Selaqui Industrial Area,
Dehradun - 248 197, Uttarakhand,
India

with the locations according to the annex



operates a management system in accordance with the requirements of ISO 14001 : 2015 and will be assessed for conformity within the 3 year term of validity of the certificate.

Scope -

Design and Manufacture and Supply of UPVC Windows Profiles.

Certificate Registration No. **44 104 14390272**
Audit Report No. **2.5-6531/2014**

Valid from **16.07.2023**
Valid until **15.07.2026**
Initial certification **16.07.2014**



Certification Body
at TÜV NORD CERT GmbH

Mumbai, **13.07.2023**

TÜV NORD CERT GmbH

Am TÜV 1

45307 Essen

www.tuev-nord-cert.com

TUV India Pvt. Ltd., 801, Raheja Plaza – 1, L.B.S. Marg,

Ghatkopar (W), Mumbai - 400 086, India www.tuv-nord.com/in



ANNEX

to Certificate Registration No. 44 104 14390272

ISO 14001 : 2015

ENCRAFT INDIA PVT. LTD.

Head Office: 70, Okhla Industrial Estate,
Phase 3, New Delhi - 110 020,

Works: Khasra Number 1000-1001, Beehive College Road,
Jamanpur, Central Hope Town, Selaqui Industrial Area,
Dehradun - 248 197, Uttarakhand,
India



Certificate Registration No.	Location	Scope
44 104 14390272-001	ENCRAFT INDIA PVT.LTD. Works: Khasra Number 1000-1001, Beehive College Road, Jamanpur, Central Hope Town, Selaqui Industrial Area, Dehradun - 248 197, Uttarakhand, India	Manufacture and Supply of UPVC Windows Profiles.
44 104 14390272-002	ENCRAFT INDIA PVT.LTD. Head Office: 70, Okhla Industrial Estate, Phase 3, New Delhi - 110 020, India	Design and Marketing of UPVC Windows Profiles.
44 104 14390272-003	ENCRAFT INDIA PVT.LTD. Warehouse - Pune Ground Floor, Gat No-43/1, Gavali Estate, Vaghajai, Mata Mandir, Chimbali, Pune- 412105, Maharashtra, India	Storage and Dispatch of UPVC Windows Profiles.
44 104 14390272-004	ENCRAFT INDIA PVT.LTD. Warehouse - Hyderabad Survey No-126/A/1, Door No 4-132/9/A/1 Gandhimisamma X Road, Medhchal, Malkajgiri, Hyderabad - 500 044, India	Storage and Dispatch of UPVC Windows Profiles.

End of the List



Certification Body

at TÜV NORD CERT GmbH

Mumbai, 13.07.2023

TÜV NORD CERT GmbH

Am TÜV 1

45307 Essen

www.tuev-nord-cert.com

TUV India Pvt. Ltd., 801, Raheja Plaza – 1, L.B.S. Marg,

Ghatkopar (W), Mumbai - 400 086, India

www.tuv-nord.com/in

CERTIFICATE

Management system as per
ISO 45001 : 2018

The Certification Body TÜV NORD CERT GmbH hereby confirms as a result of the audit, assessment and certification decision according to ISO/IEC 17021-1:2015, that the organization

ENCRAFT INDIA PVT. LTD.
Head Office: 70, Okhla Industrial Estate,
Phase 3, New Delhi - 110 020,

Works: Khasra Number 1000-1001, Beehive College Road,
Jamanpur, Central Hope Town, Selaqui Industrial Area,
Dehradun - 248 197, Uttarakhand,
India

with the locations according to the annex



operates a management system in accordance with the requirements of ISO 45001 : 2018 and will be assessed for conformity within the 3 year term of validity of the certificate.

Scope -

Design and Manufacture and Supply of UPVC Windows Profiles.

Certificate Registration No. **44 126 14390272**
Audit Report No. **2.5-6531/2014**

Valid from **16.07.2023**
Valid until **15.07.2026**
Initial certification **16.07.2014** (BS OHSAS 18001)



Certification Body
at TÜV NORD CERT GmbH

Mumbai, **13.07.2023**

TÜV NORD CERT GmbH

Am TÜV 1

45307 Essen

www.tuev-nord-cert.com

TUV India Pvt. Ltd., 801, Raheja Plaza – 1, L.B.S. Marg,

Ghatkopar (W), Mumbai - 400 086, India www.tuv-nord.com/in



ANNEX

to Certificate Registration No. 44 126 14390272

ISO 45001 : 2018

ENCRAFT INDIA PVT. LTD.

Head Office: 70, Okhla Industrial Estate,
Phase 3, New Delhi - 110 020,

Works: Khasra Number 1000-1001, Beehive College Road,
Jamanpur, Central Hope Town, Selaqui Industrial Area,
Dehradun - 248 197, Uttarakhand,
India



Certificate Registration No.	Location	Scope
44 126 14390272-001	ENCRAFT INDIA PVT.LTD. Works: Khasra Number 1000-1001, Beehive College Road, Jamanpur, Central Hope Town, Selaqui Industrial Area, Dehradun - 248 197, Uttarakhand, India	Manufacture and Supply of UPVC Windows Profiles.
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End of the List



Certification Body
at TÜV NORD CERT GmbH

Mumbai, **13.07.2023**

TÜV NORD CERT GmbH

Am TÜV 1

45307 Essen

www.tuev-nord-cert.com

TUV India Pvt. Ltd., 801, Raheja Plaza – 1, L.B.S. Marg,

Ghatkopar (W), Mumbai - 400 086, India www.tuv-nord.com/in





TYPE OF ENTERPRISE	MEDIUM	MANUFACTURING																						
UDYAM REGISTRATION NUMBER	UDYAM-DL-03-0001241																							
NAME OF ENTERPRISE	M/S ENCRAFT INDIA PRIVATE LIMITED																							
SOCIAL CATEGORY OF ENTREPRENEUR	General																							
NAME OF UNITS	<table border="1"> <thead> <tr> <th>SNo.</th> <th>Udyog Aadhaar Memorandum</th> <th colspan="3">Units Name</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>DL09B0003329</td> <td colspan="3">ENCRAFT INDIA PRIVATE LIMITED</td> </tr> </tbody> </table>				SNo.	Udyog Aadhaar Memorandum	Units Name			1	DL09B0003329	ENCRAFT INDIA PRIVATE LIMITED												
SNo.	Udyog Aadhaar Memorandum	Units Name																						
1	DL09B0003329	ENCRAFT INDIA PRIVATE LIMITED																						
OFFICAL ADDRESS OF ENTERPRISE	<table border="1"> <thead> <tr> <th>Flat/Door/Block No.</th> <th>Plot No : 70,</th> <th>Name of Premises/ Building</th> <th>Okhla Industrial Estate</th> </tr> </thead> <tbody> <tr> <td>Village/Town</td> <td>OKHLA</td> <td>Block</td> <td>-</td> </tr> <tr> <td>Road/Street/Lane</td> <td>OKHLA</td> <td>City</td> <td>NEW DELHI</td> </tr> <tr> <td>State</td> <td>DELHI</td> <td>District</td> <td>NEW DELHI , Pin 110020</td> </tr> <tr> <td>Mobile</td> <td>9910007695</td> <td>Email:</td> <td>avanish.singh@encraft.in</td> </tr> </tbody> </table>				Flat/Door/Block No.	Plot No : 70,	Name of Premises/ Building	Okhla Industrial Estate	Village/Town	OKHLA	Block	-	Road/Street/Lane	OKHLA	City	NEW DELHI	State	DELHI	District	NEW DELHI , Pin 110020	Mobile	9910007695	Email:	avanish.singh@encraft.in
Flat/Door/Block No.	Plot No : 70,	Name of Premises/ Building	Okhla Industrial Estate																					
Village/Town	OKHLA	Block	-																					
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State	DELHI	District	NEW DELHI , Pin 110020																					
Mobile	9910007695	Email:	avanish.singh@encraft.in																					
DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE	03/07/2020																							
DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS	03/07/2020																							
NATIONAL INDUSTRY CLASSIFICATION CODE(S)	<table border="1"> <thead> <tr> <th>SNo.</th> <th>NIC 2 Digit</th> <th>NIC 4 Digit</th> <th>NIC 5 Digit</th> <th>Activity</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>22 - Manufacture of rubber and plastics products</td> <td>2219 - Manufacture of other rubber products</td> <td>22191 - Manufacture of rubber plates, sheets, strips, rods, tubes, pipes, hoses and profile -shapes etc.</td> <td>Manufacturing</td> </tr> </tbody> </table>				SNo.	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit	Activity	1	22 - Manufacture of rubber and plastics products	2219 - Manufacture of other rubber products	22191 - Manufacture of rubber plates, sheets, strips, rods, tubes, pipes, hoses and profile -shapes etc.	Manufacturing										
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DATE OF UDYAM REGISTRATION	08/09/2020																							

Disclaimer: This is computer generated statement, no signature required.

Printed from <https://udyamregistration.gov.in>

For any assistance, you may contact:

1. DIC **DELHI**
2. MSME-DI **DELHI**

**BE A
CHAMPION**
with the
Ministry of

Visit : www.msme.gov.in ; www.dcmsme.gov.in ; www.champions.gov.in

Follow us @minmsme & @msmechampions





Confederation of Indian Industry

Membership Certificate

This is to certify that

Encraft India Pvt Ltd

is an Annual Member of Indian Green Building Council (IGBC)

*Bearing Membership No **IGBCMP101226***

This certificate shall be valid up to December 2024

Handwritten signature of K S Venkatagiri in blue ink.

K S Venkatagiri
Executive Director
CII - IGBC

Handwritten signature of Gurmit Singh Arora in blue ink.

Gurmit Singh Arora
Chairman
Indian Green Building Council

Handwritten signature of B Thiagarajan in blue ink.

B Thiagarajan
Vice Chairman
Indian Green Building Council

Indian Green Building Council

CII - Sohrabji Godrej Green Business Centre, Survey No. 64, Near Hitech City, R R Dist, Hyderabad - 500 084

T: +91 40 4418 5132 / 33 F: +91 40 4418 5189 E: igbc@cii.in W: igbc.in



सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय
MINISTRY OF
MICRO, SMALL &
MEDIUM ENTERPRISES



CERTIFICATE

ZED BRONZE

under MSME Sustainable (ZED) Certification Scheme
awarded to

ENCRAFT INDIA PRIVATE LIMITED

UNIT NAME

Flat No:- KHASARA NO1000-1001, Building:- Beehive College Road, Central Hope Town,,
Road/Street:- Selaqui Industrial Area, Village/Town:- Jamanpur, Block:- -, City:- Dehradun,
HARIDWAR, UTTARAKHAND-248197

UNIT ADDRESS

22-Manufacture of rubber and plastics products

CODE (AS PER NIC-2008)

UDYAM-DL-03-0001241

UDYAM REGISTRATION NUMBER

Issued on :
September 15, 2023

Certificate Validity :

Three years from the date of issue



Certificate No. 15082023_080313

This Certificate has been awarded after fulfilling all relevant requirements as laid down in the
MSME Sustainable (ZED) Certification Scheme Guidelines for this Certification Level.
Award of this Certificate does not substitute any legal requirement needed for setting up or operating an MSME Unit.



सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय
MINISTRY OF
MICRO, SMALL &
MEDIUM ENTERPRISES



under MSME Sustainable (ZED) Certification Scheme

We undertake to conform to the values of Zero Defect Zero Effect in our enterprise and ensure that our processes shall be environmentally sound and socially responsible with safe and high quality products.

We will give back, in every way we can, to our people our community and to our planet.

ENCRAFT INDIA PRIVATE LIMITED

ENTERPRISE NAME

Flat No:- KHASARA NO1000-1001, Building:- Beehive College Road, Central Hope Town., Road/Street:- Selaqui Industrial Area, Village/Town:- Jamanpur, Block:-, City:- Dehradun, HARIDWAR, UTTARAKHAND-248197

UNIT ADDRESS

UDYAM-DL-03-0001241

UDYAM REGISTRATION NUMBER

September 12, 2023

DATE OF PLEDGE



ZED_12092023_80313

Apnaenge ZED!

PLEDGE

Q
C
F
I



Quality Circle Forum of India

(Regd. Under A.P (Telangana Area) Public Societies Act 1350 F)
(No. 2812 of 1982)

306, III Floor, Navketan Chambers,
62, Sarojini Devi Road, Secunderabad - 500 003. A.P

Certificate of Membership

Be it known that

ENCRAFT INDIA PVT LTD. , SELAQUI

is an **INSTITUTIONAL MEMBER** of this Forum
in accordance with the constitution and bye-laws
of this Forum. In witness whereof this
certificate of membership has been issued.

Membership No.

054724 123788

This Membership is valid till

31/03/2038

Date :21/10/2023

Place : Hyderabad

President

Executive Director

सेन्ट्रल इंस्टिट्यूट ऑफ पेट्रोकेमिकल्स
इंजीनियरिंग एण्ड टेक्नॉलाजी
सिपेट : सेन्टर फॉर स्किलिंग एण्ड
टेक्निकल सपोर्ट (सी एस टी एस)
रसायन एवं पेट्रोसायन विभाग,
रसायन एवं उर्वरक मंत्रालय, भारत सरकार
हरिद्वार रोड, पोस्ट-भानियावाला, डोईवाला
देहरादून-248140 (उत्तराखण्ड)
फोन : + 91-135-2695075
ई-मेल : cipetdehradun@gmail.com
वेबसाइट : www.cipet.gov.in
मुख्यालय : सिपेट, गिंडी, चेन्नई- 600 032



CENTRAL INSTITUTE OF PETROCHEMICALS
ENGINEERING & TECHNOLOGY
CIPET : CENTRE FOR SKILLING AND
TECHNICAL SUPPORT (CSTS)

Department of Chemicals & Petrochemicals
Ministry of Chemicals & Fertilizers, Govt. of India
Haridwar Road, Post - Bhaniyawala, Doiwala
Dehradun - 248140(Uttarakhand)
Phone : +91-135-2695075
E-mail : cipetdehradun@gmail.com
Website : www.cipet.gov.in
Head Office : CIPET, Guindy, Chennai - 600 032

क्र./सिपेट-सीएसटीएस/दे. दून./परीक्षण रिपोर्ट//2022-23/ 892

दिनांक: - 22.02.2023

प्रति /

M/s Encraft India Pvt. Ltd.
Khasra No. 1000-1001, Beehive College Road,
Jamanpur, Central Hope Town,
Selaqui Industrial Area, Dehradun-248197

विषय : परीक्षण रिपोर्ट- बाबत
Sub: Test Report -Reg.

संदर्भ/ Ref No. Nil Date: Nil

महोदय / Dear Sir,

कृपया हमारी परीक्षण रिपोर्ट क्रमांक : 0354 दिनांक: 22.02.2023 प्राप्त करें।
Please find enclosed herewith the Test Report No.: 0354 Dtd.: 22.02.2023

कृपया संलग्न ग्राहक फ़ीडबैक फ़ॉर्म भरकर आवश्यक रूप से भेजें।
Kindly fill the enclosed customer feedback form & return the same.

धन्यवाद / Thanking you,

भवदीय / Yours sincerely,

Joint Director & Head

संलग्न : उपरोक्तनुसार
Encl : As above

केन्द्रीय पेट्रोकेमिकल्स इंजीनियरिंग एवं तकनीकी संस्थान

(पूर्व में केन्द्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान)

सिपेट: कौशल एवं तकनीकी

सहायता केन्द्र (सी एस टी एस),

रसायन एवं पेट्रोरसायन विभाग

(रसायन एवं उर्वरक मंत्रालय, भारत सरकार

हरिद्वार रोड, पोस्ट-भानियावाला, डोईवाला)

देहरादून-248140 (उत्तराखण्ड)

फोन : cipetdehradun@gmail.com

वेबसाइट : www.cipet.gov.in

मुख्यालय : सिपेट, गिंडी, चैन्नई- 600032



CIPET सि पेट
probe • perform • practice • Plastics

PLASTICS TESTING CENTRE
TEST CERTIFICATE



Format No.: Annexure 7.8 a

CENTRAL INSTITUTE OF PETROCHEMICALS

ENGINEERING & TECHNOLOGY

(Formerly Central Institute of Plastics Engineering & Technology)

CIPET : CENTRE FOR SKILLING AND

TECHNICAL SUPPORT (CSTS)

(Department of Chemicals & Petrochemicals,

Ministry of Chemicals & Fertilizers, Govt. of India)

Haridwar Road, Post-Bhaniyawala,

Doiwala, Dehradun-248140 (Uttarakhand)

Phone: +91-135-2695075

Email: cipetdehradun@gmail.com

Head office: CIPET, Guindy, Chennai-600032

SERIES : A

क्र. 487

Issued to:

M/s Encraft India Pvt. Ltd.

Khasra No. 1000-1001, Beehive College

Road, Jamanpur, Central Hope Town,

Selaqui Industrial Area, Dehradun-248197

ULR No: : TC930723000000010P

Test Report No : 0354

Date : 22/02/2023

Page No. : 1 of 2

Test Report

PART -A

PARTICULARS OF SAMPLE SUBMITTED

Your Ref No: NIL

Date: NIL

(a) Name of the Sample	: UPVC Profile Samples
(b) Grade/Variety/Type/Size/Class	: NIL
(c) Declared value, if any	: NIL
(d) Code No	: PSLSS02 - White
(e) Lot No/Batch No. and Date of Manufacturing	: NIL
(f) Quantity	: 05 Nos. x 1 Mtr.
(g) Mode of Packing	: Packed
(h) Sealed or not	: Unsealed
(i) Date of Receipt	: 13/02/2023
(j) Date (s) of Performance of test	: 13/02/2023 to 22/02/2022
(k) Any other information	: NIL

PART- B

SUPPLEMENTARY INFORMATION

i) Reference to sampling procedure	: Samples are supplied by the Party
ii) Supporting documents for the measurement taken and result derived	: As given in Part - C
iii) Deviation from the test method as prescribed in relevant work instruction, if any	: NIL


Authorized Signatory
Abhishek Rajvansh
(Joint Director & Head)



ULR No: : TC930723000000010P
 Test Report No : 0354
 Date : 22/02/2022
 Page No : 2 of 2

Part C						
Test Results						
Sr. No	Cl.no	Name of the test	Test Method	Unit	Specified Value	Test Result
1	---	Tensile Strength @ 50mm/min	ASTM D 638	MPa	---	41.0
2	---	Tensile Modulus @ 50mm/min	ASTM D 638	MPa	---	1165
3	---	Shore D Hardness	ASTM D 2240	---	---	79
4	---	Vicat Softening Point @ 50 N Load	ASTM D 1525	°C	---	80.8
5	---	Charpy Impact Strength (Notched)	ASTM D 6110	J/m	---	274
6	---	Water Absorption for 24 Hours at 23 °C	ASTM D 570	%	---	0.18
7	---	Density at 23 °C	ASTM D 792	g/cc	---	1.44
8	---	Flammability (Vertical Burning)	IS 11731 Part 2	---	---	FV0
9	---	Flexural Strength	ASTM D 790	MPa	---	70.9
10	---	Flexural Modulus	ASTM D 790	MPa	---	2718
11	---	LOI	ASTM D 2863	%	---	47.3
Part D						
Remarks: NIL						

NOTE:

- 01 The results are related only to item tested.
- 02 The reports shall not be reproduced in full / part without written approval of the laboratory
- 03 Selection of samples for testing is done with respect to clauses of standard.
- 04 Details of tests subcontracted: Nil
- 05 Statement of Conformity of a specification or standard is provided by laboratory taking into account the level of risk associated/borderline case with the decision rule employed-NA


 Authorized Signatory
 Abhishek Rajvansh
 (Joint Director & Head)



SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH

(A unit of Shriram Scientific and Industrial Research Foundation)

19, University Road, Delhi - 110007 (India)
An ISO - 9001, 14001 & 45001 Certified Institute

Website : www.shriraminstitute.org
E-mail id : customercare@shriraminstitute.org
gad@shriraminstitute.org

TEST CERTIFICATE

NO : C1/0000286313

Issued To :

Client Code : QUTK1001-06610
ENCRAFT INDIA PVT. LTD.
KHASRA NO. 1100-1101 BEEHIVE COLONY
ROAD, JAMANSPUR, CENTRAL HOPT TOWN,
SECTOR INDUSTRIAL AREA,
DEHRADUN
UTTARAKHAND-248197
Kind Attn: MR. VIKAS SAGADE

Date : 21-03-2022
Job No : 2203-1-141-1864
Booking No : RG212201/10173
Booking Date : 17-03-2022
Customer Ref No : -
Customer Ref Dt : 17-03-2022

Job No- 2203-1-141-1864

ONE SAMPLE (QUANTITY - 4 * 1M EACH APPRX) DESCRIBED AS ENCRAPT UPVC PROFILE, WAS RECEIVED.

"THE SAMPLING WAS NOT CARRIED OUT BY SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH. THE SAMPLE DESCRIPTION PROVIDED IN THE TEST CERTIFICATE ARE BASED ON DECLARATION BY THE CUSTOMER."

S. No.	Tests	Results	Protocol Adopted
1	Tensile Strength, MPa	52	ASTM D 638-14
2	Tensile Modulus, MPa	1121	ASTM D 638-14
3	Elongation at Break, %	63	ASTM D 638-14
4	Shore Hardness (Shore D)	80	ASTM D 2240-20
5	Vicat Softening temperature, °C	81	ASTM D 1525-17
6	Charpy Impact Strength, kJ/m ²	64.2	ISO 179-2 : 20
7	Water absorption, %	0.03	ASTM D 570-18
8	Heat reversion, %	0.5	IS 12235 (Part-5) : 19
9	Density at 27°C, g/cc	1.51	ASTM D 792-20
10	Flexural Strength, Mpa	70	ASTM D 790-17
11	Flammability, Grade	V-0	UL-94

DOR: 17.03.2022

DOS: 19.03.2022

DOC: 31.03.2022

End of report

AUTHORISED SIGNATORY

EMPLOYEE CODE: 2158

Note: The results are only for the items tested & certified above.
Get the complete report for the details of the test and the test results by the concerned department.

1/1



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Website : www.shriraminstitute.org
E-mail id : customercare@shriraminstitute.org
quad@shriraminstitute.org

ULR NO. : TC54442200004723F

TEST CERTIFICATE

NO : C1/0000286344



Issued To:

Client Code : (LTKH)1805409

ENCRRAFT INDIA PVT LTD

KHASRA NO- 1906-1907 BEEHIVE COLLEGE

ROAD, JAMNAPUR, CENTRAL HOPE TOWN,

SILACHUJ INDUSTRIAL AREA,

DEHRAADUN

UTTARAKHAND-248197

Signed Auth: MR. VIRAG BAGADE

Date : 21-03-2022

Job No : 2203-1-141-1865

Booking No : 3022221/10171

Booking Date : 17-03-2022

Customer Ref No : -

Customer Ref DI : 17-03-2022

J.O.N 2203-1-141-1865

ONE SAMPLE (QUANTITY: 4 * 1M EACH APPROX) DESCRIBED AS ENCRRAFT UPVC PROFILE, WAS RECEIVED.

The sampling was not carried out by SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH. The sample particulars provided in the Test Certificate are based on the declaration by the Customer

S.No.	Tests	Results	Protocol/Instrument Used
1	Calcium Carbonate, % (In Encraft profile)	8.4	IS 918:17
2	Titanium dioxide, % (In Encraft profile)	7.7	SR1/R&P/004 (ICP OFS)

DOB: 17.03.2022

DOS: 19.03.2022

DOC: 31.03.2022

End of report

AUTHORISED SIGNATORY

EMPLOYEE CODE: (1259)

Note: The results are valid only for the items listed / numbered above.



DTU/IRD/CE/MD&MT/2021-22/367/AMT/VC Window Profile/01

Date: 24.03.2022

To
The Assistant Executive Engineer
RPD-III/RPSD-1, CPWD, Thyagraj, Nagar, New Delhi-110003
Reference No: T.Nagar Site/RPD-III/RPSD-I/CPWD/2021-22/camp/01
Agency: M/s Sam India Eulwell Pvt.Ltd.

Date: 22.02.2022

Name of work: Redevelopment of General Pool Residential colony at Thyagraj Nagar, New Delhi-
Construction of 380 nos. Type-II, 310 nos. Type-III and 50 nos. Type-IV General Pool Residential
Accommodation (GPR-RA) on EPC basis.

Sample Description: -UPVC Window Profile

S.No	Test	Test Method	Test Result	Requirement As Per CPWD	Conformity
	Physical Test:				
1	Tensile Strength,Mpa	EN ISO 527	37.5	30 Min.	Yes
2	Tensile Modulus,Mpa	ASTM D 638	1120	35 Min.	Yes
3	Vicat Softening Point, %	EN ISO 306	80	75 Min.	Yes
4	Flexural Modulus,N/mm ²	EN ISO 178	2654	2200 Min.	Yes
5	Shear Strength,Mpa	ASTM D 732	22	-	-
6	Heat Reversion Test,%	IS:4985:2000	0.52	2.0 Max.	Yes
7	Calcium Carbonate content,%	-	8.46	10.00 Max.	Yes
8	Titanium Dioxide Content%	-	9.45	7.00 Min	Yes
9	Charpy Impact Strength,KJ/m ²	EN ISO 179-2	32	20 Min.	Yes
10	Dimension,mm				
	a) Width	-	92	-	-
	b) Thickness	-	52	-	-

(B.R.G Robert)

Assistant Professor

Department Of Civil Engineering

TEST REPORT

Test Report Issued To:

ENCRAFT INDIA PVT. LTD.

KHASRA NO. 1001, JAMANPUR, CENTRAL HOPE TOWN,
 SELAQUI INDUSTRIAL AREA,
 DEHRADUN, UTTARAKHAND - 248197,
 INDIA

Test Report No: D240115029/D240115029-11
 Issue Date: 27-Jan-2024
 Sample Booking/Receipt Date: 15-Jan-2024
 Test Start Date: 22-Jan-2024
 Test Completion Date: 25-Jan-2024



Customer Relationship Number 54414

Sample Description :

UPVC DOOR & WINDOWS PROFILES



Customer Reference No :

Kind Attention : MR. JOGENDRA SINGH

E-Mail: JOGENDRA.SINGH@ENCRAFT.IN

Contact No: 7060111090

Sample Condition : Good

Sample Quantity (Approx) : 10 - Nos

Sample Size (Approx) : 270X885XUPTO 50 - mm

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED



ANALYTICAL LABS
 Digitally signed by
 RAHUL MAHAUR
 Date: 2024.01.27
 11:35:51 +05:30

Report Issued By

ULR-TC63142400001021F

Authenticity of report can be verified by mail at verification@spectrolab.in
 This is a Digitally Signed Report and hence doesn't require Physical Signature.

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN : U74220DL1998PTC092698
 (part of Eurofins Scientific SE)

S-1, GNEPIP, Surajpur Industrial Area, Phase-V, Kasna, Greater Noida-201308 (India)

+91-120-2341252, +91-11-40522000, +91-11-41611000 | www.spectro.in | care@spectro.in

TEST REPORT

Discipline: Mechanical
 Group: Building Materials

TEST REPORT FOR FIRE PROPAGATION

Test Sponsor:
ENCRAFT INDIA PVT. LTD.

Product Name:
 UPVC DOOR & WINDOWS PROFILES (Name declared by test sponsor)

Test Standard:
BS 476 Part 7;1997. Method of test to determine the classification of the surface spread of flame of products.

Specimen Definition
 The testing specimen was as shown in photograph given below, Test specimen was sent by test sponsor, Spectro Lab was not involved in the selection and preparation of test specimen.

Verification of Test Specimen
 The construction has been verified by Spectro based on a detailed survey and with the analysis of product supplied by **ENCRAFT INDIA PVT. LTD.**



RAHUL MAHAUR
 Reviewed By



TC-6314



ULR-TC63142400001021F



Digitally signed by
 RAHUL MAHAUR
 Date: 2024.01.27
 11:35:51 +05:30

Authorised Signatory

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN : U74220DL1998PTC092698
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TEST REPORT

Spread of Flame


Performance Criteria for Spread of Flame

Classification Criteria for Spread of Flame

Classification	Spread of Flame at 1.5 Minutes		Final Spread of Flame	
	Limit	Limit for one specimen in sample (mm)	Limit	Limit for one specimen in sample (mm)
Class 1	165	+25	165	+25
Class 2	215	+25	455	+45
Class 3	265	+25	710	+75
Class 4	Exceeding the Limit of Class 3			

Criteria for using Suffix and Prefix in the Classification

1. A prefix D is added, if tested material is not complying with the surface characteristics specified in the standard.
2. A suffix Y is added, if any other behaviour of material affects the flame spread.



RAHUL MAHAUR
Reviewed By



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TEST REPORT

Summary of Results

The system has been evaluated in accordance with BS 476 Part 7

Observations

Specimen No.	1	2	3	4	5	6
Distance, mm	Time to travel distance (Min.: Sec.)					
75	0:55	0:49	1:02	0:58	0:55	1:05
165	No Flame	No Flame	No Flame	No Flame	No Flame	No Flame
190	No Flame	No Flame	No Flame	No Flame	No Flame	No Flame
215	No Flame	No Flame	No Flame	No Flame	No Flame	No Flame
240	No Flame	No Flame	No Flame	No Flame	No Flame	No Flame
265	No Flame	No Flame	No Flame	No Flame	No Flame	No Flame
455	No Flame	No Flame	No Flame	No Flame	No Flame	No Flame
710	No Flame	No Flame	No Flame	No Flame	No Flame	No Flame

	Flame Spread, mm					
Specimen No.	1	2	3	4	5	6
At 1.5 Minutes	82	85	78	89	90	86
Final Flame Spread	82	85	78	89	90	86

Result: The tested specimen qualified for Class 1 as per BS 476 Part 7.

RAHUL MAHAUR
Reviewed By



TC-6314



ULR-TC63142400001021F



Digitally signed by
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TEST REPORT

Photograph During test



Note: The test results relate only to the behavior of the test specimens of the product under the particular conditions of test; they are not intended to be the sole Criterion for assessing the potential fire hazard of the product in use.

RAHUL MAHAUR
Reviewed By



TC-6314



ULR-TC63142400001021F



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General Terms & Conditions

Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited) undertakes to provide service to its customer subject to the terms & conditions mentioned here-

1. Area of Application

1.1 All Orders accepted by Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited) (Collectively "ES") will be governed by these General Terms and Conditions of Sales (the "Terms and Conditions"), including orders placed by telephone which have not been confirmed in writing and orders made by delivery of samples. A contract with these Terms and Conditions comes into being when an order that has been placed with ES is accepted by ES. An order placed with ES is considered as accepted by ES when (a) ES proceeds to fulfil that order, without need for any written confirmation from ES or (b) ES accept the order in writing.

1.2 All reports will be issued with the legal name i.e. Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited)

1.3 These Terms and Conditions supersede and replace all prior verbal or written price quotations and agreements between the parties and, unless specifically indicated otherwise therein, take precedence over all conflicting or inconsistent provisions of subsequent written agreements between the parties. No officer (other than the Managing Director of ES), employee, agent or subcontractor of ES has the authority to alter or waive any of these Terms and Conditions or to make any representation which conflicts with or purports to override any of these Terms and Conditions; and no such alteration, waiver or representation shall be binding upon ES, unless it is in writing and signed by the Managing Director of ES.

2. Placement of Order

2.1 A customer order will be valid only if it is sent by mail or fax or other electronic message on letterhead of the customer or by using ES-approved sample Test request form or electronic order forms and the commercial aspects of the order which are not specifically set out in these Terms and Conditions (including price, estimated turnaround times and delivery date) must be agreed at the time of the order. The customer must confirm in writing orders given by telephone immediately after they are made and will be deemed to have placed an order if the customer sends samples to ES quoting the customer reference. ES is not obligated to start any work unless the order is clear and it has been provided all required information.

2.2 Unless specifically accepted in writing and signed by the Managing Director of ES, any terms proposed or submitted by a customer at any time (including, but not limited to, terms or provisions in the customer's purchase order-instructions or other document) which differ from these Terms and Conditions are rejected as a material alteration of these Terms and Conditions and shall be of no force or effect. Furthermore, special terms or conditions of prior orders, including special pricing, will not automatically apply to subsequent orders. Each order accepted by ES will be treated as a separate contract between ES and the customer.

2.3 Any logistic service off-site of the laboratory must be paid in full, unless it has been cancelled or modified by the customer at least forty eight hours (48) in advance for collection services, ninety six (96) hours in advance for sampling services and one (1) week in advance for auditing services.

3. Price and Terms of Payment

3.1 If the acknowledgment of an order does not state otherwise, ES' prices apply "ex works", excluding packaging, which is charged separately. Any additional cost or disbursement (e.g. incurred by ES in connection with the order) must be paid by the customer. 3.2 Prices are exclusive of all applicable taxes (GST or Other taxes) and are based on tariffs in force at the day of the remittance of the order. Applicable taxes are those in force at the date of invoicing.

3.3 Unless specifically agreed otherwise by ES in its acceptance of an order, payment of all invoices is due strictly within 30 days of the invoice date. Any dispute about invoices must be raised within 30 days of the invoice date. The challenge of any test result will not entitle a customer to defer payment. Any invoice which remains outstanding after due date, may be additionally charged with an administrative penalty of Rupees Two hundred (Rs.200) and may carry interest as per MSMED Act.

3.4 Invoices are subject to a minimum invoice charge of Rupees Two Hundred fifty (Rs.250).

3.5 The invoice settlement method is Cheque, bank transfer or direct debit. Any other method of payment must receive prior agreement from ES. The customer undertakes to provide bank account details.

3.6 ES is entitled to require payment of up to 100% of the quoted order price as a condition of acceptance.

4. Duties of Customer in Delivering Samples or Materials

4.1 The samples or materials must be in a condition that makes the preparation of reports/analyses or the production of ordered products possible without difficulty. ES is entitled to conduct an initial examination of the samples or materials to check their condition before processing the samples, drawing up a report or using them in production. The customer shall bear the costs of this initial examination, if the samples or materials do not comply with the requirements described in this clause 4.1. If the result of the initial examination is that an analysis or production is impossible or is possible only under more difficult conditions than originally anticipated e.g. for example, because the samples or materials have been interspersed with foreign materials or substances that were not reported by the customer or are degraded ES shall be entitled to terminate or interrupt the order and the customer shall bear costs incurred by ES to that point.

4.2 The customer must ensure, and hereby warrants, that no sample poses any danger, inducing on its site, during transportation, in the laboratory or otherwise to ES premises, instruments, personnel or representatives. It is the customer's responsibility to insure compliance with hazardous waste regulations, including regarding information, transportation and disposal and to inform ES personnel or representatives about sample health and safety concerns, including any known or suspected toxic or other contaminant that may be present in the sample and its likely level of contamination as well as the risks to ES premises, instruments, personnel and representatives related to the contamination. The customer shall be responsible for, and indemnifies ES against, all costs, damages, liabilities and injuries that may be caused to or incurred by ES or its personnel or representatives including on the sampling site, during the transportation or in the laboratory by the customer's sample or by sampling site conditions. The customer shall bear all extraordinary costs for adequate disposal of hazardous waste resulting from the sample, whether or not described as hazardous waste. At ES' request, the customer must provide ES with the exact composition of the samples.

5. Property Rights on Sample Material and Sample Storage

5.1 All samples become the property of ES to the extent necessary for the performance of the order. Unless the customer pays for storage, ES shall have no obligation or liability for samples sent to ES for storage, including samples requiring refrigeration however ES retains the sample for three months. If the customer pays for further storage, ES will take commercially reasonable steps to store the samples, according to professional practice.

5.2 Sample will be destroyed after one month from the date of release of test report unless specified by regulatory or ES and the customer have agreed in writing on the terms of ES' retention of the sample. ES also can dispose of or destroy the samples after the agreed upon retention period, without further notice and at customer's cost, should an extra cost for ES arise to comply with any regulation (for example, with respect to disposal of hazardous waste). If the customer requests the return of unneeded sample material, ES will return them to the customer, at the customer's cost and risk.

5.3 The sample description is not verified in all cases and is given "as described by customer". Sample not drawn by us and analysis conducted on "as received bases". Unless specified otherwise

5.4 Lab retain the copy of report for 2 years from the date of release of test report or instructed by customer or any regulatory requirement and authenticity of test report can be verified within 2 years by sending mail at verification@spectrolab.in

6. Delivery Dates, Turnaround Time

6.1 Delivery dates and turnaround times are estimates and do not constitute a commitment by ES. Nevertheless, ES shall make commercially reasonable efforts to meet its estimated deadlines.

6.2 Results are generally sent by email and/or by mail, or via other electronic means, to the attention of the persons indicated by the customer in the order, promptly after the analysis is completed.

7. Transfer of Property

7.1 Title in any analysis results, products, equipment, software or similar supplied by ES to the customer will remain with ES until all invoices in respect thereof have been paid by the customer in full, and until such full payment, the customer shall have no property rights or other rights to use them. In addition, even if ES has accepted and begun to fulfil an order, ES has the right at any time stop processing that order and to stop doing any work for a customer if that customer is late in paying any amount due to ES, whether for that or any other order.

7.2 Even after payment in full by the customer, ES shall retain the right to store, use and publish all analysis results in an anonymous form which does not identify the customer.

8. Limited Warranties and responsibilities

8.1 Orders are handled in the conditions available to ES in accordance with the current state of technology and methods developed and generally applied by ES and the results may not always be 100% exact and/ or relevant. Analyses, interpretations, assessments, consulting work and conclusions are prepared with a commercially reasonable degree of care but ES cannot guarantee that these will always be correct or absolute. This limited warranty expires three months after the delivery date of the samples, if the acknowledgement of the order does not specifically state otherwise. In all cases, the customer must independently verify the validity of any results, interpretations, assessments and conclusions supplied by ES, if it wishes to rely on the same in respect of matters of importance and shall do so at its own risk.

8.2 Each testing report relates exclusively to the sample analyzed by ES. If ES has not expressly been mandated and paid for the definition of the sampling plan (including which samples of which raw materials and finished products and at which frequent should be analyzed) and the definition of the precise range of analysis to be performed or if the customer has not followed ES recommendations, ES shall not bear any responsibility if the sampling plan and/or the range of analysis to be performed prove to be insufficient or inappropriate.

8.3 The customer is responsible for the proper delivery of samples sent to ES for examination/analyses or materials sent for production. Unless otherwise specifically agreed in writing by ES, ES accepts no responsibility for any loss or damage, which may occur to any sample in transit or to any facility or site where logistics services are being delivered. The customer will at all times be liable for the security, packaging and insurance of the sample from its dispatch until it is delivered to the offices or the laboratories of ES. ES will use commercially reasonable care in handling and storing samples, but ES shall not be held responsible for any loss or destruction of samples even after their receipt at its laboratories.

8.4 The customer warrants and represents to ES that all samples sent to ES for analysis are safe and in a stable condition and undertakes to indemnify ES for any losses, injuries, claims and costs which ES, or its personnel, may suffer as a result of any sample not being in a safe or stable condition, notwithstanding that the customer may have given an indication on the sample or any order form of any perceived problem with the sample. The customer must always inform ES in writing prior to shipment and label the packaging, samples and/ or containers appropriately, if the samples are dangerous or otherwise of a hazardous nature.

8.5 Unless explicitly agreed in writing by all parties, the contractual relationship shall be exclusively between the customer and ES. There shall be no third party beneficiary or collateral warranty relating to any order and the customer shall indemnify and hold ES harmless from and against any and all third party claims in any way relating to the customer or to the order by the customer.

8.6 The result given on the test report refer only to tested samples and application parameters.

8.7 Any complaints about the test report should be communicated in writing within 7 days of the issue of the report

9. Limitation of Liability

9.1 Except to the extent that such limitations are not permitted or void under applicable law: (a) ES (together with its workers, office clerks, employees, representatives, managers, officers, directors, agents and consultants and all ES partners and affiliates, the "ES Indemnifying Parties") shall be liable only for the proven direct and immediate damage caused by the ES Indemnifying Party's willful misconduct in connection with the performance of an order and then, only if ES has received written notice thereof not later than six (6) months after the date of the customer's knowledge of the relevant claim (unless any longer period is prescribed under applicable law and cannot be contractually limited), and (b) in all cases (whether arising under contract, tort, negligence, strict liability, through indemnification or otherwise), the ES Indemnifying Parties' liability per claim or series of related claims, and the customer's exclusive remedy, with respect to ES' services which fall under these Terms and Conditions, shall be limited to the lesser of: (i) the direct and immediate loss or damage caused by the ES Indemnifying Party's willful misconduct in connection with the performance of the order and (ii) invoice amount ES actually received from the customer in relation to the order subject to maximum of Rs. 1 lac (Rupees One Lac)

9.2 The ES Indemnifying Parties shall not be liable for any indirect, direct or consequential loss or damage (including, but not limited to, loss of business, profits, goodwill, and business opportunities or similar) incurred by the customer or by any third party.

9.3 It is a condition of ES' acceptance of an order that the customer indemnifies the ES Indemnifying Parties for any losses, injuries, claims and costs which the ES Indemnifying Parties may suffer as a result of arising from or in any way connected with its role under or services or products or software provided pursuant to these Terms and Conditions, except to the extent that the ES Indemnifying Parties are required to bear them according to these Terms and Conditions, and by placing an order the customer agrees to provide that indemnification.

10. Repeated Analysis

Objections to test results can be made within thirty (30) days after the customer receives the results. However, unless it would appear that the results of the repeated analysis do not match those of the first one, the customer shall bear the costs of the repeat testing or review. Furthermore, a repeated analysis will be possible only if ES has a sufficient amount of the original sample on hand when it receives the customer's objection. Otherwise the customer will be required to pay all costs, including sampling, transportation, analytical and disposal costs for the repeat analysis. No retest request will be accepted after return of tested sample.

11. Force Majeure

ES cannot be held liable for delays, errors, damages or other problems caused by events or circumstances which are unforeseen or beyond ES' reasonable control, or which result from compliance with governmental requests, laws and regulations.

12. Confidentiality & Processing of Customer Data

12.1 ES shall be entitled to save and process personal or commercial data received from the customer in any way, no matter whether such data stem from the customer directly or from a third party and shall use commercially reasonable efforts to keep such data confidential, in compliance with applicable law.

12.2 ES shall use commercially reasonable efforts to keep all analysis results and service reports confidential, subject to ES' rights set forth in clause 7.2 and the right to use them in order to demonstrate its entitlement to payment for services rendered.

12.3 Analysis results are prepared and supplied exclusively for the use of the customer and should not be divulged to a third party for any purposes without the prior written agreement of ES. In addition, the customer is required to maintain secrecy concerning all services provided by ES and their results as well as the composition of products and software delivered by ES. Analysis results are not to be publicly disclosed or exploited without the prior written consent of ES. Even if such written consent is given by ES, the customer (a) remains responsible for any consequences due to the divulgence of such results to a third party and any reliance of such third party on such results and (b) hereby agrees to indemnify the ES Indemnified Parties against any liability which the ES Indemnified Parties may incur as a result of such divulgence or any such third party reliance.

12.4 Test report certificate shall not be reproduced except in full, without written permission of laboratory

12.5 Test report certificate shall not be reproduced wholly or in parts and cannot be used as an evidence in a court of law and shall not be used in advertising media, without written permission of laboratory

13. Disclaimer and Miscellaneous

13.1 ALL TERMS, CONDITIONS AND WARRANTIES (INCLUDING ANY IMPLIED WARRANTY AS TO MERCHANTABILITY QUALITY OR FITNESS FOR A PARTICULAR PURPOSE) AS TO THE MANNER, QUALITY AND TIMING OF THE TESTING SERVICE AND RESULTS, EQUIPMENT, PRODUCTS OR SOFTWARE SUPPLIED BY ES ARE EXCLUDED TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW. THE WARRANTIES, OBLIGATIONS AND LIABILITIES OF ES CONTAINED IN THESE TERMS AND CONDITIONS ARE EXCLUSIVE.

13.2 These Terms and Conditions may be modified in writing from time to time by ES and orders will be governed by the most recent version of these Terms and Conditions that is in effect at the time ES accepts the order.

13.3 Should a court waive, limit or hold to be invalid, illegal or unenforceable any part of these Terms and Conditions, all other parts shall still apply to the greatest extent possible.

13.4 Failure by either ES or the customer to exercise the rights under these Terms and Conditions shall not constitute a waiver or forfeiture of such rights.

14. Governing Law Jurisdiction

14.1 The construction, validity and performance of these Terms and Conditions shall be governed by the laws and the commercial courts of Delhi Jurisdiction, Delhi State, India in which the registered office of the ES company which accepted the order in question is located (including in cases involving multiple counsels for the defense or third-party respondents), which shall have exclusive jurisdiction.

* End of Report *

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN: U74220DL1998PTC092698

(part of Eurofins Scientific SE)

S-1, GNEPIP, Surajpur Industrial Area, Phase-V, Kasna, Greater Noida-201308 (India)

+91-120-2341252, +91-11-40522000, +91-11-41611000 | www.spectro.in | care@spectro.in

TEST REPORT

Test Report Issued To:

ENCRAFT INDIA PVT. LTD.

KHASRA NO. 1001, JAMANPUR, CENTRAL HOPE TOWN,
SELAQUI INDUSTRIAL AREA,
DEHRADUN, UTTARAKHAND - 248197,
INDIA

Test Report No: D240117041/D240117041-41
Issue Date: 23-Jan-2024
Sample Booking/Receipt Date: 17-Jan-2024
Test Start Date: 18-Jan-2024
Test Completion Date: 23-Jan-2024



Customer Relationship Number 54414

Sample Description :

EN-01 Profile-White



Customer Reference No :

Kind Attention : MR. JOGENDRA SINGH

E-Mail: JOGENDRA.SINGH@ENCRAFT.IN

Contact No: 7060111090

Sample Condition : Good

Sample Quantity (Approx) : 1 - Nos

Sample Size (Approx) : NA - mm

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED



Digitally signed by
Praveen Singh
Date: 2024.01.23
15:11:44 +05:30

Report Issued By

ULR-TC1024524000001138F

Authenticity of report can be verified by mail at verification@spectrolab.in
This is a Digitally Signed Report and hence doesn't require Physical Signature.

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN : U74220DL1998PTC092698
(part of Eurofins Scientific SE)

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TEST REPORT

Discipline	Chemical
Group	Hazardous & restricted chemicals
Product	Polymers of Electro technical Products

ROHS-3 ANALYSIS TEST

Sample ID : D240117041-4
 Revision Summary: : Picture updated on the report.
 Test Requested : ROHS-3 analysis testing As per DIRECTIVE 2015/863
 Test Method &Results : Please refer to next page

S. No	Restricted substances (As per DIRECTIVE 2015/863 in Article 4 (ANNEX-II))	Maximum Concentration Level
1	Lead (Pb)	0.1% by weight/ (1,000 mg/kg)
2	Cadmium (as Cd)	0.01% by weight/ (1,00 mg/kg)
3	Mercury (as Hg)	0.1% by weight/ (1,000 mg/kg)
4	Hexavalent Chromium (Cr+6)	0.1% by weight/ (1,000 mg/kg)
5	Polybrominated Biphenyl (PBB) flame retardants	0.1% by weight/ (1,000 mg/kg)
6	Polybrominated diphenyl ether (PBDE) flame retardants	0.1% by weight/ (1,000 mg/kg)
7.	Di-n-butyl Phthalate (DBP)	0.1% by weight/ (1,000 mg/kg)
8.	Bis (2-ethylhexyl) Phthalate (DEHP)	0.1% by weight/ (1,000 mg/kg)
9.	Di-isobutyl Phthalate (DIBP)	0.1% by weight/ (1,000 mg/kg)
10.	Benzyl butyl Phthalate (BBP)	0.1% by weight/ (1,000 mg/kg)

Result Summary:

Test Requested	Comment
ROHS Test as per European Directive 2015/863 Annex II (RoHS); recasting 2011/65/EU – Lead, Cadmium, Mercury, Hexavalent Chromium, Polybrominated biphenyls (PBB) & Polybrominated diphenyl ether (PBDE), Di-n-butyl Phthalate (DBP), Bis (2-ethylhexyl) Phthalate (DEHP), Di-isobutyl Phthalate (DIBP), Benzyl butyl Phthalate (BBP)	PASS


 PRAVEEN SINGH
 Reviewed By



TC-10245



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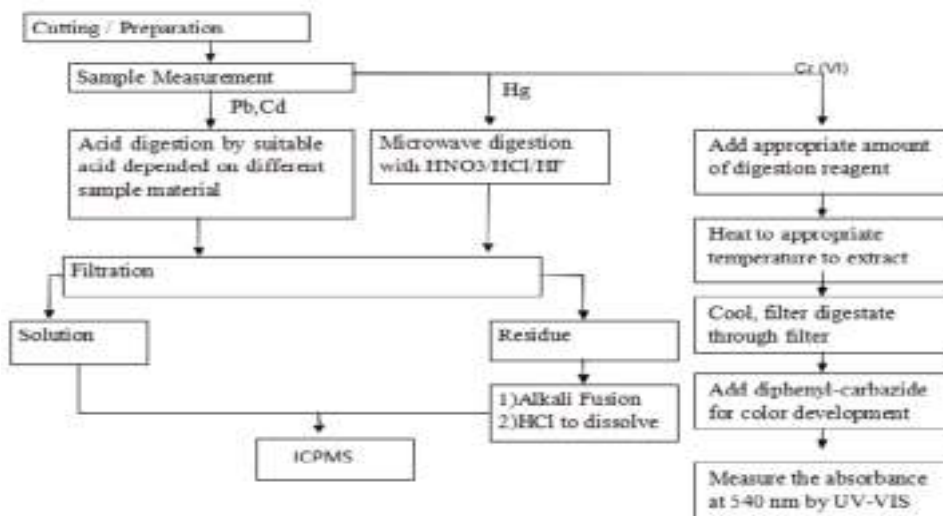
TEST REPORT

Testing Analysis Result					
Testing Parameters	Unit	Test Method	Results	MQL	RoHS Limit
Lead (Pb)	mg/kg	With reference to IEC 62321-5:2013. Analysis was performed by ICP-MS	BQL	5	1000
Cadmium (Cd)	mg/kg	With reference IEC 62321-5:2013. Analysis was performed by ICP-MS	BQL	5	100
Mercury (Hg)	mg/kg	With reference IEC 62321-4:2013. Analysis was performed by ICP-MS	BQL	5	1000
Hexavalent Chromium (Cr(VI))	mg/kg	With reference to IEC 62321-7-2:2017. Analysis was performed by UV/Vis Spectrometry	BQL	5	1000

Remark: mg/kg = ppm, 0.1wt% = 1000ppm, BQL= Below Quantification limit, MQL = Method Quantification Limit.

Testing Analysis Flow Chart

Flow of IEC 62321 (Pb, Cd, Hg & Cr⁶⁺)



Remarks: Sample received was totally dissolved by preconditioning method. (excluded Cr(VI) method)

PRAVEEN SINGH
 Reviewed By



TC-10245

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 Praveen Singh
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TEST REPORT

ID –D240117041-4

TEST RESULTS

Testing Parameters	CAS No.	Unit	Test Method	Results	MQL	ROHS Limit	
<u>Polybrominated Biphenyls (PBBs)</u>			With reference to IEC62321-6:2015 Analysis was performed by GC-MS		-	1000	
Monobromobiphenyl	2052-07-5	mg/kg		BQL	10	-	
Dibromobiphenyl	13029-09-9	mg/kg		BQL	10	-	
Tribromobiphenyl	115245-07-03	mg/kg		BQL	10	-	
Tetrabromobiphenyl	16400-50-3	mg/kg		BQL	10	-	
Pentabromobiphenyl	59080-39-6	mg/kg		BQL	10	-	
Hexabromobiphenyl	60044-26-0	mg/kg		BQL	10	-	
Heptabromobiphenyl	88700-06-5	mg/kg		BQL	10	-	
Octabromobiphenyl	67889-00-3	mg/kg		BQL	10	-	
Nonabromobiphenyl	69278-62-2	mg/kg		BQL	10	-	
Decabromobiphenyl	13654-09-6	mg/kg		BQL	10	-	
<u>Polybrominated Diphenylethers (PBDEs)</u>						-	1000
Monobromodiphenyl ether	6876-00-2	mg/kg		BQL	10	-	
Dibromodiphenyl ether	83694-71-7	mg/kg	BQL	10	-		
Tribromodiphenyl ether	41318-75-6	mg/kg	BQL	10	-		
Tetrabromodiphenyl ether	189084-61-5	mg/kg	BQL	10	-		
Pentabromodiphenyl ether	182346-21-0	mg/kg	BQL	10	-		
Hexabromodiphenyl ether	182677-30-1	mg/kg	BQL	10	-		
Heptabromodiphenyl ether	189084-68-2	mg/kg	BQL	10	-		
Octabromodiphenyl ether	446255-56-7	mg/kg	BQL	10	-		
Nonabromodiphenyl ether	63387-28-0	mg/kg	BQL	10	-		
Decabromodiphenyl ether *	1163-19-15	mg/kg	BQL	10	-		
<u>Phthalates</u>			With reference to IEC62321-8:2017 Analysis was performed by GC-MS		-	-	
Di-isobutyl Phthalate (DIBP)	84-69-5	mg/kg		BQL	20	1000	
Di-n-butyl Phthalate (DBP)	84-74-2	mg/kg		BQL	20	1000	
Benzyl butyl Phthalate (BBP)	85-68-7	mg/kg		BQL	20	1000	
Bis (2-ethylhexyl) Phthalate (DEHP)	117-81-7	mg/kg		BQL	20	1000	

Dileep Ojha
 DILEEP KUMAR OJHA
 Reviewed By



TC-10245



ULR-TC1024524000001138F



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TEST REPORT

Note : (1) mg/kg = ppm ; 0.1wt% = 1000 ppm

(2) ND = Not Detected

(3) MQL = Method Quantification Limit

(4) BQL= Below Quantification Limit

(5) ppm = part per million

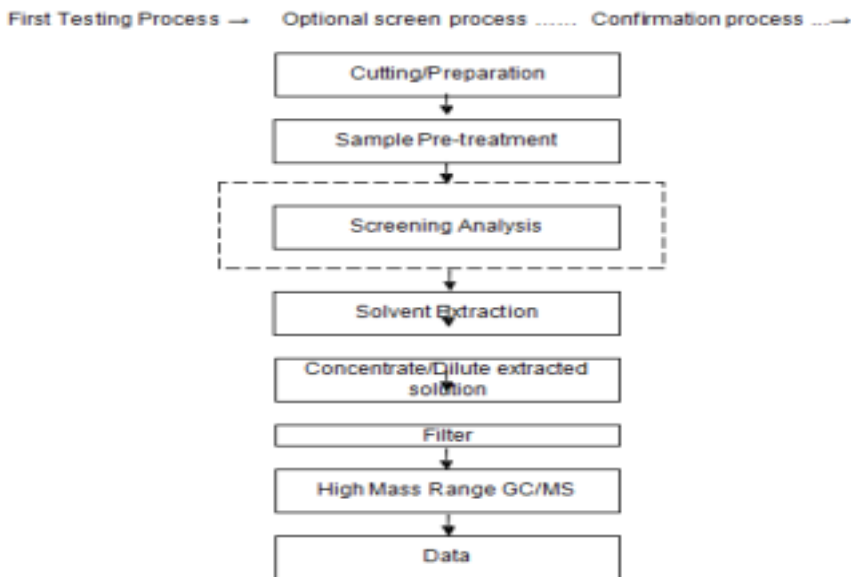
(6) mg/kg = Milligram/kilogram

(7) '<' = Less than , '>' = Greater than

(8) * = The exemption of DecaBDE in polymeric application according 2005/717/EC was overruled by the European Court of Justice by its decision of 01.04.2008. Subsequently DecaBDE will be included in the sum of PBDE after 01.07.2008

Testing Analysis Flow Chart

Process Flow of PBB & PBDE by GC/MS (IEC62321-6)



Dileep ojha
DILEEP KUMAR OJHA
 Reviewed By



TC-10245



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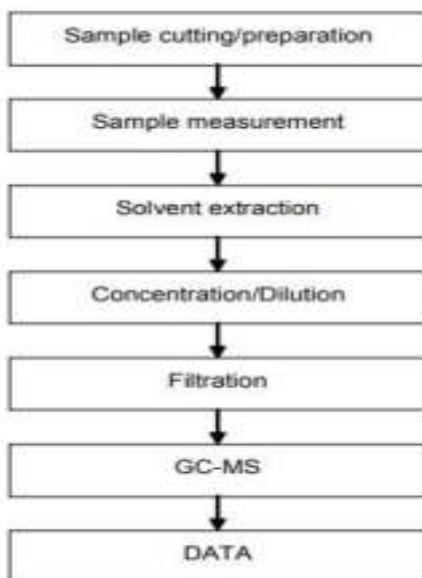
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TEST REPORT

Process Flow of Phthalates by GC/MS(IEC62321-8)



Dileep ojha
DILEEP KUMAR OJHA
Reviewed By



TC-10245



ULR-TC102452400001138F



Digitally signed by
Praveen Singh
Date: 2024.01.22
15:11:44 +05:30

Authorised Signatory

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General Terms & Conditions of Sale

Spectro Analytical Labs Pvt Ltd, (formerly Spectro analytical labs Ltd) undertakes to provide service to its customer subject to the terms & conditions mentioned here-

1. Area of Application

1.1 All Orders accepted by Spectro Analytical Labs Pvt Ltd, (formerly Spectro analytical labs Ltd) (Collectively "ES") will be governed by these General Terms and Conditions of Sales (the "Terms and Conditions"), including orders placed by telephone which have not been confirmed in writing and orders made by delivery of samples. A contract with these Terms and Conditions comes into being when an order that has been placed with ES is accepted by ES. An order placed with ES is considered as accepted by ES when (a) ES proceeds to fulfil that order, without need for any written confirmation from ES or (b) ES accept the order in writing.

1.2 All reports will be issued with the legal name i.e. Spectro Analytical Labs Pvt Ltd, (formerly Spectro analytical labs Ltd)

1.3 These Terms and Conditions supersede and replace all prior verbal or written price quotations and agreements between the parties and, unless specifically indicated otherwise therein, take precedence over all conflicting or inconsistent provisions of subsequent written agreements between the parties. No officer (other than the Managing Director of ES), employee, agent or subcontractor of ES has the authority to alter or waive any of these Terms and Conditions or to make any representation which conflicts with or purports to override any of these Terms and Conditions; and no such alteration, waiver or representation shall be binding upon ES, unless it is in writing and signed by the Managing Director of ES.

2. Placement of Order

2.1 A customer order will be valid only if it is sent by mail or fax or other electronic message on letterhead of the customer or by using ES-approved sample Test request form or electronic order forms and the commercial aspects of the order which are not specifically set out in these Terms and Conditions (including price, estimated turnaround times and delivery date) must be agreed at the time of the order. The customer must confirm in writing orders given by telephone immediately after they are made and will be deemed to have placed an order if the customer sends samples to ES quoting the customer reference. ES is not obligated to start any work unless the order is clear and it has been provided all required information.

2.2 Unless specifically accepted in writing and signed by the Managing Director of ES, any terms proposed or submitted by a customer at any time (including, but not limited to, terms or provisions in the customer's purchase order-instructions or other document) which differ from these Terms and Conditions are rejected as a material alteration of these Terms and Conditions and shall be of no force or effect. Furthermore, special terms or conditions of prior orders, including special pricing, will not automatically apply to subsequent orders. Each order accepted by ES will be treated as a separate contract between ES and the customer.

2.3 Any logistic service off-site of the laboratory must be paid in full, unless it has been cancelled or modified by the customer at least forty eight hours (48) in advance for collection services, ninety six (96) hours in advance for sampling services and one (1) week in advance for auditing services.

3. Price and Terms of Payment

3.1 If the acknowledgment of an order does not state otherwise, ES' prices apply "ex works", excluding packaging, which is charged separately. Any additional cost or disbursement (e.g. incurred by ES in connection with the order) must be paid by the customer. 3.2 Prices are exclusive of all applicable taxes (GST or Other taxes) and are based on tariffs in force at the day of the remittance of the order to the customer. Applicable taxes are those in force at the date of invoicing.

3.3 Unless specifically agreed otherwise by ES in its acceptance of an order, payment of all invoices is due strictly within 30 days of the invoice date. Any dispute about invoices must be raised within 30 days of the invoice date. The challenge of any test result will not entitle a customer to defer payment. Any invoice which remains outstanding after due date, may be additionally charged with an administrative penalty of Rupees Two hundred (Rs.200) and may carry interest as per MSMED Act.

3.4 Invoices are subject to a minimum invoice charge of Rupees Two Hundred fifty (Rs.250).

3.5 The invoice settlement method is Cheque, bank transfer or direct debit. Any other method of payment must receive prior agreement from ES. The customer undertakes to provide bank account details.

3.6 ES is entitled to require payment of up to 100% of the quoted order price as a condition of acceptance.

4. Duties of Customer in Delivering Samples or Materials

4.1 The samples or materials must be in a condition that makes the preparation of reports/analyses or the production of ordered products possible without difficulty. ES is entitled to conduct an initial examination of the samples or materials to check their condition before processing the samples, drawing up a report or using them in production. The customer shall bear the costs of this initial examination, if the samples or materials do not comply with the requirements described in this clause 4.1. If the result of the initial examination is that an analysis or production is impossible or is possible only under more difficult conditions than originally anticipated (e.g. for example, because the samples or materials have been interspersed with foreign materials or substances that were not reported by the customer or are degraded) ES shall be entitled to terminate or interrupt the order and the customer shall bear costs incurred by ES to that point.

4.2 The customer must ensure, and hereby warrants, that no sample poses any danger, inducing on its site, during transportation, in the laboratory or otherwise to ES premises, instruments, personnel or representatives. It is the customer's responsibility to insure compliance with hazardous waste regulations, including regarding information, transportation and disposal and to inform ES personnel or representatives about sample health and safety concerns, including any known or suspected toxic or other contaminant that may be present in the sample and its likely level of contamination as well as the risks to ES premises, instruments, personnel and representatives related to the contamination. The customer shall be responsible for, and indemnifies ES against, all costs, damages, liabilities and injuries that may be caused to or incurred by ES or its personnel or representatives including on the sampling site, during the transportation or in the laboratory by the customer's sample or by sampling site conditions. The customer shall bear all extraordinary costs for adequate disposal of hazardous waste resulting from the sample, whether or not described as hazardous waste. At ES' request, the customer must provide ES with the exact composition of the samples.

5. Property Rights on Sample Material and Sample Storage

5.1 All samples become the property of ES to the extent necessary for the performance of the order. Unless the customer pays for storage, ES shall have no obligation or liability for samples sent to ES for storage, including samples requiring refrigeration however ES retains the sample for three months. If the customer pays for further storage, ES will take commercially reasonable steps to store the samples, according to professional practice.

5.2 Sample will be destroyed after one month from the date of release of test report unless specified by regulatory or ES and the customer have agreed in writing on the terms of ES' retention of the sample. ES also can dispose of or destroy the samples after the agreed upon retention period, without further notice and at customer's cost, should an extra cost for ES arise to comply with any regulation (for example, with respect to disposal of hazardous waste). If the customer requests the return of unneeded sample material, ES will return them to the customer, at the customer's cost and risk.

5.3 The sample description is not verified in all cases and is given "as described by customer". Sample not drawn by us and analysis conducted on "as received bases". Unless specified otherwise

5.4 Lab retain the copy of report for 2 years from the date of release of test report or instructed by customer or any regulatory requirement and authenticity of test report can be verified within 2 years by sending mail at verification@spectrolab.in

6. Delivery Dates, Turnaround Time

6.1 Delivery dates and turnaround times are estimates and do not constitute a commitment by ES. Nevertheless, ES shall make commercially reasonable efforts to meet its estimated deadlines.

6.2 Results are generally sent by email and/or by mail, or via other electronic means, to the attention of the persons indicated by the customer in the order, promptly after the analysis is completed.

7. Transfer of Property

7.1 Title in any analysis results, products, equipment, software or similar supplied by ES to the customer will remain with ES until all invoices in respect thereof have been paid by the customer in full, and until such full payment, the customer shall have no property rights or other rights to use them. In addition, even if ES has accepted and begun to fulfil an order, ES has the right at any time stop processing that order and to stop doing any work for a customer if that customer is late in paying any amount due to ES, whether for that or any other order.

7.2 Even after payment in full by the customer, ES shall retain the right to store, use and publish all analysis results in an anonymous form which does not identify the customer.

8. Limited Warranties and responsibilities

8.1 Orders are handled in the conditions available to ES in accordance with the current state of technology and methods developed and generally applied by ES and the results may not always be 100% exact and/ or relevant. Analyses, interpretations, assessments, consulting work and conclusions are prepared with a commercially reasonable degree of care but ES cannot guarantee that these will always be correct or absolute. This limited warranty expires three months after the delivery date of the samples, if the acknowledgement of the order does not specifically state otherwise. In all cases, the customer must independently verify the validity of any results, interpretations, assessments and conclusions supplied by ES, if it wishes to rely on the same in respect of matters of importance and shall do so at its own risk.

8.2 Each testing report relates exclusively to the sample analyzed by ES. If ES has not expressly been mandated and paid for the definition of the sampling plan (including which samples of which raw materials and finished products and at which frequent should be analyzed) and the definition of the precise range of analysis to be performed or if the customer has not followed ES recommendations, ES shall not bear any responsibility if the sampling plan and/or the range of analysis to be performed prove to be insufficient or inappropriate.

8.3 The customer is responsible for the proper delivery of samples sent to ES for examination/analyses or materials sent for production. Unless otherwise specifically agreed in writing by ES, ES accepts no responsibility for any loss or damage, which may occur to any sample in transit or to any facility or site where logistics services are being delivered. The customer will at all times be liable for the security, packaging and insurance of the sample from its dispatch until it is delivered to the offices or the laboratories of ES. ES will use commercially reasonable care in handling and storing samples, but ES shall not be held responsible for any loss or destruction of samples even after their receipt at its laboratories.

8.4 The customer warrants and represents to ES that all samples sent to ES for analysis are safe and in a stable condition and undertakes to indemnify ES for any losses, injuries, claims and costs which ES, or its personnel, may suffer as a result of any sample not being in a safe or stable condition, notwithstanding that the customer may have given an indication on the sample or any order form of any perceived problem with the sample. The customer must always inform ES in writing prior to shipment and label the packaging, samples and/ or containers appropriately, if the samples are dangerous or otherwise of a hazardous nature.

8.5 Unless explicitly agreed in writing by all parties, the contractual relationship shall be exclusively between the customer and ES. There shall be no third party beneficiary or collateral warranty relating to any order and the customer shall indemnify and hold ES harmless from and against any and all third party claims in any way relating to the customer or to the order by the customer.

8.6 The result given on the test report refer only to tested samples and application parameters.

8.7 Any complaints about the test report should be communicated in writing within 7 days of the issue of the report

9. Limitation of Liability

9.1 Except to the extent that such limitations are not permitted or void under applicable law: (a) ES (together with its workers, office clerks, employees, representatives, managers, officers, directors, agents and consultants and all ES partners and affiliates, the "ES Indemnifying Parties") shall be liable only for the proven direct and immediate damage caused by the ES Indemnifying Party's willful misconduct in connection with the performance of an order and then, only if ES has received written notice thereof not later than six (6) months after the date of the customer's knowledge of the relevant claim (unless any longer period is prescribed under applicable law and cannot be contractually limited), and (b) in all cases (whether arising under contract, tort, negligence, strict liability, through indemnification or otherwise), the ES Indemnifying Parties' liability per claim or series of related claims, and the customer's exclusive remedy, with respect to ES' services which fall under these Terms and Conditions, shall be limited to the lesser of: (i) the direct and immediate loss or damage caused by the ES Indemnifying Party's willful misconduct in connection with the performance of the order and (ii) invoice amount ES actually received from the customer in relation to the order subject to maximum of Rs. 1 lac (Rupees One Lac)

9.2 The ES Indemnifying Parties shall not be liable for any indirect, direct or consequential loss or damage (including, but not limited to, loss of business, profits, goodwill, and business opportunities or similar) incurred by the customer or by any third party.

9.3 It is a condition of ES' acceptance of an order that the customer indemnifies the ES Indemnifying Parties for any losses, injuries, claims and costs which the ES Indemnifying Parties may suffer as a result of arising from or in any way connected with its role under or services or products or software provided pursuant to these Terms and Conditions, except to the extent that the ES Indemnifying Parties are required to bear them according to these Terms and Conditions, and by placing an order the customer agrees to provide that indemnification.

10. Repeated Analysis

Objections to test results can be made within thirty (30) days after the customer receives the results. However, unless it would appear that the results of the repeated analysis do not match those of the first one, the customer shall bear the costs of the repeat testing or review. Furthermore, a repeated analysis will be possible only if ES has a sufficient amount of the original sample on hand when it receives the customer's objection. Otherwise the customer will be required to pay all costs, including sampling, transportation, analytical and disposal costs for the repeat analysis. No retest request will be accepted after return of tested sample.

11. Force Majeure

ES cannot be held liable for delays, errors, damages or other problems caused by events or circumstances which are unforeseen or beyond ES' reasonable control, or which result from compliance with governmental requests, laws and regulations.

12. Confidentiality & Processing of Customer Data

12.1 ES shall be entitled to save and process personal or commercial data received from the customer in any way, no matter whether such data stem from the customer directly or from a third party and shall use commercially reasonable efforts to keep such data confidential, in compliance with applicable law.

12.2 ES shall use commercially reasonable efforts to keep all analysis results and service reports confidential, subject to ES' rights set forth in clause 7.2 and the right to use them in order to demonstrate its entitlement to payment for services rendered.

12.3 Analysis results are prepared and supplied exclusively for the use of the customer and should not be divulged to a third party for any purposes without the prior written agreement of ES. In addition, the customer is required to maintain secrecy concerning all services provided by ES and their results as well as the composition of products and software delivered by ES. Analysis results are not to be publicly disclosed or exploited without the prior written consent of ES. Even if such written consent is given by ES, the customer (a) remains responsible for any consequences due to the divulgence of such results to a third party and any reliance of such third party on such results and (b) hereby agrees to indemnify the ES Indemnified Parties against any liability which the ES Indemnified Parties may incur as a result of such divulgence or any such third party reliance.

12.4 Test report certificate shall not be reproduced except in full, without written permission of laboratory

12.5 Test report certificate shall not be reproduced wholly or in parts and cannot be used as an evidence in a court of law and shall not be used in advertising media, without written permission of laboratory

13. Disclaimer and Miscellaneous

13.1 ALL TERMS, CONDITIONS AND WARRANTIES (INCLUDING ANY IMPLIED WARRANTY AS TO MERCHANTABILITY QUALITY OR FITNESS FOR A PARTICULAR PURPOSE) AS TO THE MANNER, QUALITY AND TIMING OF THE TESTING SERVICE AND RESULTS, EQUIPMENT, PRODUCTS OR SOFTWARE SUPPLIED BY ES ARE EXCLUDED TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW. THE WARRANTIES, OBLIGATIONS AND LIABILITIES OF ES CONTAINED IN THESE TERMS AND CONDITIONS ARE EXCLUSIVE.

13.2 These Terms and Conditions may be modified in writing from time to time by ES and orders will be governed by the most recent version of these Terms and Conditions that is in effect at the time ES accepts the order.

13.3 Should a court waive, limit or hold to be invalid, illegal or unenforceable any part of these Terms and Conditions, all other parts shall still apply to the greatest extent possible.

13.4 Failure by either ES or the customer to exercise the rights under these Terms and Conditions shall not constitute a waiver or forfeiture of such rights.

14. Governing Law Jurisdiction

14.1 The construction, validity and performance of these Terms and Conditions shall be governed by the laws and the commercial courts of Delhi Jurisdiction, Delhi State, India in which the registered office of the ES company which accepted the order in question is located (including in cases involving multiple counsels for the defense or third-party respondents), which shall have exclusive jurisdiction.

* End of Report *

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN: U74220DL1998PTC092698

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ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Laboratory

TEST REPORT

Test Report Issued To:

ENCRAFT INDIA PVT. LTD.

KHASRA NO. 1001, JAMANPUR, CENTRAL HOPE TOWN,
SELAQUI INDUSTRIAL AREA,
DEHRADUN, UTTARAKHAND - 248197,
INDIA

Test Report No: D240117041/D240117041-11
Issue Date: 23-Jan-2024
Sample Booking/Receipt Date: 17-Jan-2024
Test Start Date: 18-Jan-2024
Test Completion Date: 23-Jan-2024



Customer Relationship Number 54414

Sample Description :

EN-01 Compound -White



Customer Reference No :

Kind Attention : MR. JOGENDRA SINGH

E-Mail: JOGENDRA.SINGH@ENCRAFT.IN

Contact No: 7060111090

Sample Condition : Good

Sample Quantity (Approx) : 1 - Nos

Sample Size (Approx) : NA - mm

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED



Digitally signed by
Praveen Singh
Date: 2024.01.23
15:11:12 +05:30

Report Issued By

ULR-TC1024524000001135F

Authenticity of report can be verified by mail at verification@spectrolab.in
This is a Digitally Signed Report and hence doesn't require Physical Signature.

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TEST REPORT

Discipline	Chemical
Group	Hazardous & restricted chemicals
Product	Polymers of Electro technical Products

ROHS-3 ANALYSIS TEST

Sample ID : D240117041-1
 Revision Summary: : Picture updated on the report.
 Test Requested : ROHS-3 analysis testing As per DIRECTIVE 2015/863
 Test Method &Results : Please refer to next page

S. No	Restricted substances (As per DIRECTIVE 2015/863 in Article 4 (ANNEX-II))	Maximum Concentration Level
1	Lead (Pb)	0.1% by weight/ (1,000 mg/kg)
2	Cadmium (as Cd)	0.01% by weight/ (1,00 mg/kg)
3	Mercury (as Hg)	0.1% by weight/ (1,000 mg/kg)
4	Hexavalent Chromium (Cr+6)	0.1% by weight/ (1,000 mg/kg)
5	Polybrominated Biphenyl (PBB) flame retardants	0.1% by weight/ (1,000 mg/kg)
6	Polybrominated diphenyl ether (PBDE) flame retardants	0.1% by weight/ (1,000 mg/kg)
7.	Di-n-butyl Phthalate (DBP)	0.1% by weight/ (1,000 mg/kg)
8.	Bis (2-ethylhexyl) Phthalate (DEHP)	0.1% by weight/ (1,000 mg/kg)
9.	Di-isobutyl Phthalate (DIBP)	0.1% by weight/ (1,000 mg/kg)
10.	Benzyl butyl Phthalate (BBP)	0.1% by weight/ (1,000 mg/kg)

Result Summary:

Test Requested	Comment
ROHS Test as per European Directive 2015/863 Annex II (RoHS); recasting 2011/65/EU – Lead, Cadmium, Mercury, Hexavalent Chromium, Polybrominated biphenyls (PBB) & Polybrominated diphenyl ether (PBDE), Di-n-butyl Phthalate (DBP), Bis (2-ethylhexyl) Phthalate (DEHP), Di-isobutyl Phthalate (DIBP), Benzyl butyl Phthalate (BBP)	PASS

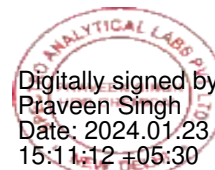

 PRAVEEN SINGH
 Reviewed By



TC-10245



ULR-TC1024524000001135F



Authorised Signatory

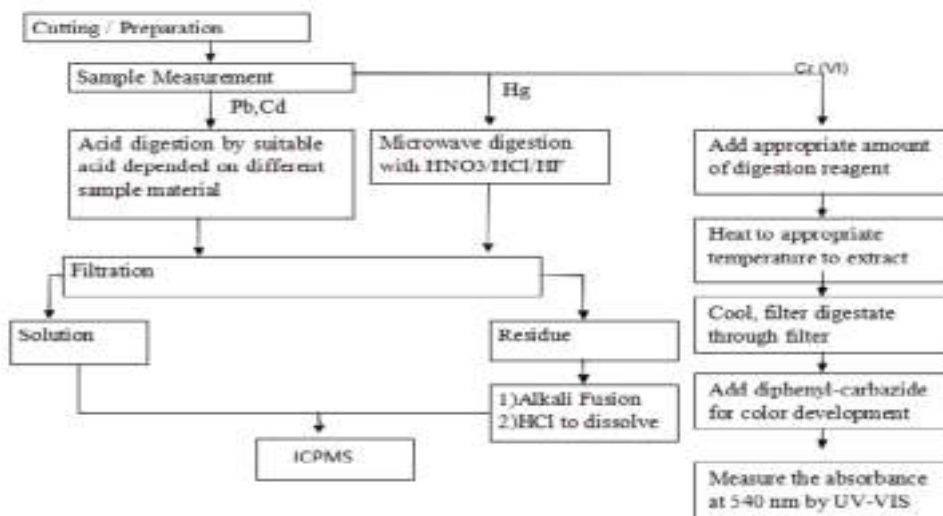
TEST REPORT

Testing Analysis Result					
Testing Parameters	Unit	Test Method	Results	MQL	RoHS Limit
Lead (Pb)	mg/kg	With reference to IEC 62321-5:2013. Analysis was performed by ICP-MS	BQL	5	1000
Cadmium (Cd)	mg/kg	With reference IEC 62321-5:2013. Analysis was performed by ICP-MS	BQL	5	100
Mercury (Hg)	mg/kg	With reference IEC 62321-4:2013. Analysis was performed by ICP-MS	BQL	5	1000
Hexavalent Chromium (Cr(VI))	mg/kg	With reference to IEC 62321-7-2:2017. Analysis was performed by UV/Vis Spectrometry	BQL	5	1000

Remark: mg/kg = ppm, 0.1wt% = 1000ppm, BQL= Below Quantification limit, MQL = Method Quantification Limit.

Testing Analysis Flow Chart

Flow of IEC 62321 (Pb, Cd, Hg & Cr⁶⁺)



Remarks: Sample received was totally dissolved by preconditioning method. (excluded Cr(VI) method)

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 Reviewed By



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Digitally signed by
 Praveen Singh
 Date: 2024.01.23
 15:11:12 +05:30

Authorised Signatory

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN : U74220DL1998PTC092698
 (part of Eurofins Scientific SE)

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 +91-11-40522000, 41611000 | www.spectro.in | care@spectro.in

TEST REPORT

ID –D240117041-1

TEST RESULTS

Testing Parameters	CAS No.	Unit	Test Method	Results	MQL	ROHS Limit
<u>Polybrominated Biphenyls (PBBs)</u>			With reference to IEC62321-6:2015 Analysis was performed by GC-MS		-	1000
Monobromobiphenyl	2052-07-5	mg/kg		BQL	10	-
Dibromobiphenyl	13029-09-9	mg/kg		BQL	10	-
Tribromobiphenyl	115245-07-03	mg/kg		BQL	10	-
Tetrabromobiphenyl	16400-50-3	mg/kg		BQL	10	-
Pentabromobiphenyl	59080-39-6	mg/kg		BQL	10	-
Hexabromobiphenyl	60044-26-0	mg/kg		BQL	10	-
Heptabromobiphenyl	88700-06-5	mg/kg		BQL	10	-
Octabromobiphenyl	67889-00-3	mg/kg		BQL	10	-
Nonabromobiphenyl	69278-62-2	mg/kg		BQL	10	-
Decabromobiphenyl	13654-09-6	mg/kg		BQL	10	-
<u>Polybrominated Diphenylethers (PBDEs)</u>					-	1000
Monobromodiphenyl ether	6876-00-2	mg/kg		BQL	10	-
Dibromodiphenyl ether	83694-71-7	mg/kg		BQL	10	-
Tribromodiphenyl ether	41318-75-6	mg/kg	BQL	10	-	
Tetrabromodiphenyl ether	189084-61-5	mg/kg	BQL	10	-	
Pentabromodiphenyl ether	182346-21-0	mg/kg	BQL	10	-	
Hexabromodiphenyl ether	182677-30-1	mg/kg	BQL	10	-	
Heptabromodiphenyl ether	189084-68-2	mg/kg	BQL	10	-	
Octabromodiphenyl ether	446255-56-7	mg/kg	BQL	10	-	
Nonabromodiphenyl ether	63387-28-0	mg/kg	BQL	10	-	
Decabromodiphenyl ether *	1163-19-15	mg/kg	BQL	10	-	
<u>Phthalates</u>			With reference to IEC62321-8:2017 Analysis was performed by GC-MS	-	-	-
Di-isobutyl Phthalate (DIBP)	84-69-5	mg/kg		BQL	20	1000
Di-n-butyl Phthalate (DBP)	84-74-2	mg/kg		BQL	20	1000
Benzyl butyl Phthalate (BBP)	85-68-7	mg/kg		BQL	20	1000
Bis (2-ethylhexyl) Phthalate (DEHP)	117-81-7	mg/kg	BQL	20	1000	

DILEEP KUMAR OJHA
Reviewed By



TC-10245

ULR-TC1024524000001135F



Authorised Signatory

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN : U74220DL1998PTC092698
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TEST REPORT

Note : (1) mg/kg = ppm ; 0.1wt% = 1000 ppm

(2) ND = Not Detected

(3) MQL = Method Quantification Limit

(4) BQL= Below Quantification Limit

(5) ppm = part per million

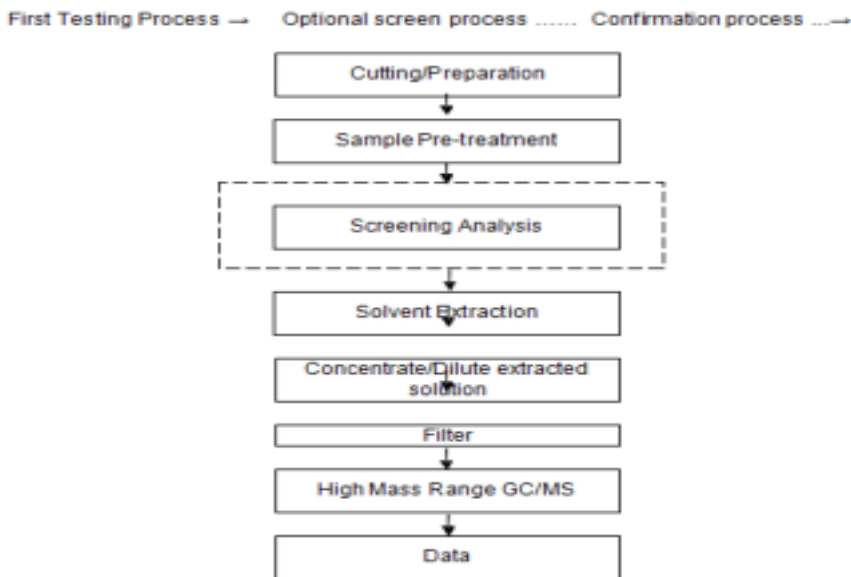
(6) mg/kg = Milligram/kilogram

(7) '<' = Less than , '>' = Greater than

(8) * = The exemption of DecaBDE in polymeric application according 2005/717/EC was overruled by the European Court of Justice by its decision of 01.04.2008. Subsequently DecaBDE will be included in the sum of PBDE after 01.07.2008

Testing Analysis Flow Chart

Process Flow of PBB & PBDE by GC/MS (IEC62321-6)



Dileep ojha
DILEEP KUMAR OJHA
 Reviewed By



TC-10245



ULR-TC1024524000001135F

Digitally signed by
 Praveen Singh
 Date: 2024.01.22
 15:11:12 +05:30

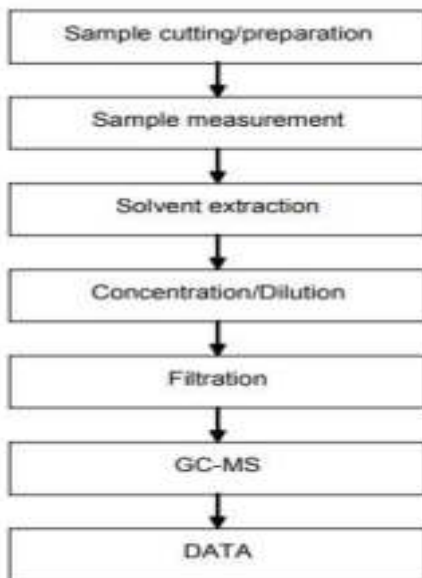
Authorised Signatory

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TEST REPORT

Process Flow of Phthalates by GC/MS(IEC62321-8)



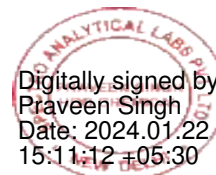
Dileep ojha
DILEEP KUMAR OJHA
Reviewed By



TC-10245



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Authorised Signatory

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN : U74220DL1998PTC092698
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General Terms & Conditions of Sale

Spectro Analytical Labs Pvt Ltd, (formerly Spectro analytical labs Ltd) undertakes to provide service to its customer subject to the terms & conditions mentioned here-

1. Area of Application

1.1 All Orders accepted by Spectro Analytical Labs Pvt Ltd, (formerly Spectro analytical labs Ltd) (Collectively "ES") will be governed by these General Terms and Conditions of Sales (the "Terms and Conditions"), including orders placed by telephone which have not been confirmed in writing and orders made by delivery of samples. A contract with these Terms and Conditions comes into being when an order that has been placed with ES is accepted by ES. An order placed with ES is considered as accepted by ES when (a) ES proceeds to fulfil that order, without need for any written confirmation from ES or (b) ES accept the order in writing.

1.2 All reports will be issued with the legal name i.e. Spectro Analytical Labs Pvt Ltd, (formerly Spectro analytical labs Ltd)

1.3 These Terms and Conditions supersede and replace all prior verbal or written price quotations and agreements between the parties and, unless specifically indicated otherwise therein, take precedence over all conflicting or inconsistent provisions of subsequent written agreements between the parties. No officer (other than the Managing Director of ES), employee, agent or subcontractor of ES has the authority to alter or waive any of these Terms and Conditions or to make any representation which conflicts with or purports to override any of these Terms and Conditions; and no such alteration, waiver or representation shall be binding upon ES, unless it is in writing and signed by the Managing Director of ES.

2. Placement of Order

2.1 A customer order will be valid only if it is sent by mail or fax or other electronic message on letterhead of the customer or by using ES-approved sample Test request form or electronic order forms and the commercial aspects of the order which are not specifically set out in these Terms and Conditions (including price, estimated turnaround times and delivery date) must be agreed at the time of the order. The customer must confirm in writing orders given by telephone immediately after they are made and will be deemed to have placed an order if the customer sends samples to ES quoting the customer reference. ES is not obligated to start any work unless the order is clear and it has been provided all required information.

2.2 Unless specifically accepted in writing and signed by the Managing Director of ES, any terms proposed or submitted by a customer at any time (including, but not limited to, terms or provisions in the customer's purchase order-instructions or other document) which differ from these Terms and Conditions are rejected as a material alteration of these Terms and Conditions and shall be of no force or effect. Furthermore, special terms or conditions of prior orders, including special pricing, will not automatically apply to subsequent orders. Each order accepted by ES will be treated as a separate contract between ES and the customer.

2.3 Any logistic service off-site of the laboratory must be paid in full, unless it has been cancelled or modified by the customer at least forty eight hours (48) in advance for collection services, ninety six (96) hours in advance for sampling services and one (1) week in advance for auditing services.

3. Price and Terms of Payment

3.1 If the acknowledgment of an order does not state otherwise, ES' prices apply "ex works", excluding packaging, which is charged separately. Any additional cost or disbursement (e.g. incurred by ES in connection with the order) must be paid by the customer. 3.2 Prices are exclusive of all applicable taxes (GST or Other taxes) and are based on tariffs in force at the day of the remittance of the order to the customer. Applicable taxes are those in force at the date of invoicing.

3.3 Unless specifically agreed otherwise by ES in its acceptance of an order, payment of all invoices is due strictly within 30 days of the invoice date. Any dispute about invoices must be raised within 30 days of the invoice date. The challenge of any test result will not entitle a customer to defer payment. Any invoice which remains outstanding after due date, may be additionally charged with an administrative penalty of Rupees Two hundred (Rs.200) and may carry interest as per MSMED Act.

3.4 Invoices are subject to a minimum invoice charge of Rupees Two Hundred fifty (Rs.250).

3.5 The invoice settlement method is Cheque, bank transfer or direct debit. Any other method of payment must receive prior agreement from ES. The customer undertakes to provide bank account details.

3.6 ES is entitled to require payment of up to 100% of the quoted order price as a condition of acceptance.

4. Duties of Customer in Delivering Samples or Materials

4.1 The samples or materials must be in a condition that makes the preparation of reports/analyses or the production of ordered products possible without difficulty. ES is entitled to conduct an initial examination of the samples or materials to check their condition before processing the samples, drawing up a report or using them in production. The customer shall bear the costs of this initial examination, if the samples or materials do not comply with the requirements described in this clause 4.1. If the result of the initial examination is that an analysis or production is impossible or is possible only under more difficult conditions than originally anticipated (e.g. for example, because the samples or materials have been interspersed with foreign materials or substances that were not reported by the customer or are degraded) ES shall be entitled to terminate or interrupt the order and the customer shall bear costs incurred by ES to that point.

4.2 The customer must ensure, and hereby warrants, that no sample poses any danger, inducing on its site, during transportation, in the laboratory or otherwise to ES premises, instruments, personnel or representatives. It is the customer's responsibility to insure compliance with hazardous waste regulations, including regarding information, transportation and disposal and to inform ES personnel or representatives about sample health and safety concerns, including any known or suspected toxic or other contaminant that may be present in the sample and its likely level of contamination as well as the risks to ES premises, instruments, personnel and representatives related to the contamination. The customer shall be responsible for, and indemnifies ES against, all costs, damages, liabilities and injuries that may be caused to or incurred by ES or its personnel or representatives including on the sampling site, during the transportation or in the laboratory by the customer's sample or by sampling site conditions. The customer shall bear all extraordinary costs for adequate disposal of hazardous waste resulting from the sample, whether or not described as hazardous waste. At ES' request, the customer must provide ES with the exact composition of the samples.

5. Property Rights on Sample Material and Sample Storage

5.1 All samples become the property of ES to the extent necessary for the performance of the order. Unless the customer pays for storage, ES shall have no obligation or liability for samples sent to ES for storage, including samples requiring refrigeration however ES retains the sample for three months. If the customer pays for further storage, ES will take commercially reasonable steps to store the samples, according to professional practice.

5.2 Sample will be destroyed after one month from the date of release of test report unless specified by regulatory or ES and the customer have agreed in writing on the terms of ES' retention of the sample. ES also can dispose of or destroy the samples after the agreed upon retention period, without further notice and at customer's cost, should an extra cost for ES arise to comply with any regulation (for example, with respect to disposal of hazardous waste). If the customer requests the return of unneeded sample material, ES will return them to the customer, at the customer's cost and risk.

5.3 The sample description is not verified in all cases and is given "as described by customer". Sample not drawn by us and analysis conducted on "as received bases". Unless specified otherwise

5.4 Lab retain the copy of report for 2 years from the date of release of test report or instructed by customer or any regulatory requirement and authenticity of test report can be verified within 2 years by sending mail at verification@spectrolab.in

6. Delivery Dates, Turnaround Time

6.1 Delivery dates and turnaround times are estimates and do not constitute a commitment by ES. Nevertheless, ES shall make commercially reasonable efforts to meet its estimated deadlines.

6.2 Results are generally sent by email and/or by mail, or via other electronic means, to the attention of the persons indicated by the customer in the order, promptly after the analysis is completed.

7. Transfer of Property

7.1 Title in any analysis results, products, equipment, software or similar supplied by ES to the customer will remain with ES until all invoices in respect thereof have been paid by the customer in full, and until such full payment, the customer shall have no property rights or other rights to use them. In addition, even if ES has accepted and begun to fulfil an order, ES has the right at any time stop processing that order and to stop doing any work for a customer if that customer is late in paying any amount due to ES, whether for that or any other order.

7.2 Even after payment in full by the customer, ES shall retain the right to store, use and publish all analysis results in an anonymous form which does not identify the customer.

8. Limited Warranties and responsibilities

8.1 Orders are handled in the conditions available to ES in accordance with the current state of technology and methods developed and generally applied by ES and the results may not always be 100% exact and/ or relevant. Analyses, interpretations, assessments, consulting work and conclusions are prepared with a commercially reasonable degree of care but ES cannot guarantee that these will always be correct or absolute. This limited warranty expires three months after the delivery date of the samples, if the acknowledgement of the order does not specifically state otherwise. In all cases, the customer must independently verify the validity of any results, interpretations, assessments and conclusions supplied by ES, if it wishes to rely on the same in respect of matters of importance and shall do so at its own risk.

8.2 Each testing report relates exclusively to the sample analyzed by ES. If ES has not expressly been mandated and paid for the definition of the sampling plan (including which samples of which raw materials and finished products and at which frequent should be analyzed) and the definition of the precise range of analysis to be performed or if the customer has not followed ES recommendations, ES shall not bear any responsibility if the sampling plan and/or the range of analysis to be performed prove to be insufficient or inappropriate.

8.3 The customer is responsible for the proper delivery of samples sent to ES for examination/analyses or materials sent for production. Unless otherwise specifically agreed in writing by ES, ES accepts no responsibility for any loss or damage, which may occur to any sample in transit or to any facility or site where logistics services are being delivered. The customer will at all times be liable for the security, packaging and insurance of the sample from its dispatch until it is delivered to the offices or the laboratories of ES. ES will use commercially reasonable care in handling and storing samples, but ES shall not be held responsible for any loss or destruction of samples even after their receipt at its laboratories.

8.4 The customer warrants and represents to ES that all samples sent to ES for analysis are safe and in a stable condition and undertakes to indemnify ES for any losses, injuries, claims and costs which ES, or its personnel, may suffer as a result of any sample not being in a safe or stable condition, notwithstanding that the customer may have given an indication on the sample or any order form of any perceived problem with the sample. The customer must always inform ES in writing prior to shipment and label the packaging, samples and/ or containers appropriately, if the samples are dangerous or otherwise of a hazardous nature.

8.5 Unless explicitly agreed in writing by all parties, the contractual relationship shall be exclusively between the customer and ES. There shall be no third party beneficiary or collateral warranty relating to any order and the customer shall indemnify and hold ES harmless from and against any and all third party claims in any way relating to the customer or to the order by the customer.

8.6 The result given on the test report refer only to tested samples and application parameters.

8.7 Any complaints about the test report should be communicated in writing within 7 days of the issue of the report

9. Limitation of Liability

9.1 Except to the extent that such limitations are not permitted or void under applicable law: (a) ES (together with its workers, office clerks, employees, representatives, managers, officers, directors, agents and consultants and all ES partners and affiliates, the "ES Indemnifying Parties") shall be liable only for the proven direct and immediate damage caused by the ES Indemnifying Party's willful misconduct in connection with the performance of an order and then, only if ES has received written notice thereof not later than six (6) months after the date of the customer's knowledge of the relevant claim (unless any longer period is prescribed under applicable law and cannot be contractually limited), and (b) in all cases (whether arising under contract, tort, negligence, strict liability, through indemnification or otherwise), the ES Indemnifying Parties' liability per claim or series of related claims, and the customer's exclusive remedy, with respect to ES' services which fall under these Terms and Conditions, shall be limited to the lesser of: (i) the direct and immediate loss or damage caused by the ES Indemnifying Party's willful misconduct in connection with the performance of the order and (ii) invoice amount ES actually received from the customer in relation to the order subject to maximum of Rs. 1 lac (Rupees One Lac)

9.2 The ES Indemnifying Parties shall not be liable for any indirect, direct or consequential loss or damage (including, but not limited to, loss of business, profits, goodwill, and business opportunities or similar) incurred by the customer or by any third party.

9.3 It is a condition of ES' acceptance of an order that the customer indemnifies the ES Indemnifying Parties for any losses, injuries, claims and costs which the ES Indemnifying Parties may suffer as a result of arising from or in any way connected with its role under or services or products or software provided pursuant to these Terms and Conditions, except to the extent that the ES Indemnifying Parties are required to bear them according to these Terms and Conditions, and by placing an order the customer agrees to provide that indemnification.

10. Repeated Analysis

Objections to test results can be made within thirty (30) days after the customer receives the results. However, unless it would appear that the results of the repeated analysis do not match those of the first one, the customer shall bear the costs of the repeat testing or review. Furthermore, a repeated analysis will be possible only if ES has a sufficient amount of the original sample on hand when it receives the customer's objection. Otherwise the customer will be required to pay all costs, including sampling, transportation, analytical and disposal costs for the repeat analysis. No retest request will be accepted after return of tested sample.

11. Force Majeure

ES cannot be held liable for delays, errors, damages or other problems caused by events or circumstances which are unforeseen or beyond ES' reasonable control, or which result from compliance with governmental requests, laws and regulations.

12. Confidentiality & Processing of Customer Data

12.1 ES shall be entitled to save and process personal or commercial data received from the customer in any way, no matter whether such data stem from the customer directly or from a third party and shall use commercially reasonable efforts to keep such data confidential, in compliance with applicable law.

12.2 ES shall use commercially reasonable efforts to keep all analysis results and service reports confidential, subject to ES' rights set forth in clause 7.2 and the right to use them in order to demonstrate its entitlement to payment for services rendered.

12.3 Analysis results are prepared and supplied exclusively for the use of the customer and should not be divulged to a third party for any purposes without the prior written agreement of ES. In addition, the customer is required to maintain secrecy concerning all services provided by ES and their results as well as the composition of products and software delivered by ES. Analysis results are not to be publicly disclosed or exploited without the prior written consent of ES. Even if such written consent is given by ES, the customer (a) remains responsible for any consequences due to the divulgence of such results to a third party and any reliance of such third party on such results and (b) hereby agrees to indemnify the ES Indemnified Parties against any liability which the ES Indemnified Parties may incur as a result of such divulgence or any such third party reliance.

12.4 Test report certificate shall not be reproduced except in full, without written permission of laboratory

12.5 Test report certificate shall not be reproduced wholly or in parts and cannot be used as an evidence in a court of law and shall not be used in advertising media, without written permission of laboratory

13. Disclaimer and Miscellaneous

13.1 ALL TERMS, CONDITIONS AND WARRANTIES (INCLUDING ANY IMPLIED WARRANTY AS TO MERCHANTABILITY QUALITY OR FITNESS FOR A PARTICULAR PURPOSE) AS TO THE MANNER, QUALITY AND TIMING OF THE TESTING SERVICE AND RESULTS, EQUIPMENT, PRODUCTS OR SOFTWARE SUPPLIED BY ES ARE EXCLUDED TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW. THE WARRANTIES, OBLIGATIONS AND LIABILITIES OF ES CONTAINED IN THESE TERMS AND CONDITIONS ARE EXCLUSIVE.

13.2 These Terms and Conditions may be modified in writing from time to time by ES and orders will be governed by the most recent version of these Terms and Conditions that is in effect at the time ES accepts the order.

13.3 Should a court waive, limit or hold to be invalid, illegal or unenforceable any part of these Terms and Conditions, all other parts shall still apply to the greatest extent possible.

13.4 Failure by either ES or the customer to exercise the rights under these Terms and Conditions shall not constitute a waiver or forfeiture of such rights.

14. Governing Law Jurisdiction

14.1 The construction, validity and performance of these Terms and Conditions shall be governed by the laws and the commercial courts of Delhi Jurisdiction, Delhi State, India in which the registered office of the ES company which accepted the order in question is located (including in cases involving multiple counsels for the defense or third-party respondents), which shall have exclusive jurisdiction.

* End of Report *

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN: U74220DL1998PTC092698

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+91-11-40522000, 41611000 | www.spectro.in | care@spectro.in

ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Laboratory

TEST REPORT

Test Report Issued To:

ENCRAFT INDIA PVT. LTD.

KHASRA NO. 1001, JAMANPUR, CENTRAL HOPE TOWN,
SELAQUI INDUSTRIAL AREA,
DEHRADUN, UTTARAKHAND - 248197,
INDIA

Test Report No: D240117041/D240117041-51
Issue Date: 23-Jan-2024
Sample Booking/Receipt Date: 17-Jan-2024
Test Start Date: 18-Jan-2024
Test Completion Date: 23-Jan-2024



Customer Relationship Number 54414

Sample Description :

EN-02 Profile-Dark Oak



Customer Reference No :

Kind Attention : MR. JOGENDRA SINGH

E-Mail: JOGENDRA.SINGH@ENCRAFT.IN

Contact No: 7060111090

Sample Condition : Good

Sample Quantity (Approx) : 1 - Nos

Sample Size (Approx) : NA - mm

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED



Digitally signed by
Praveen Singh
Date: 2024.01.23
15:12:02 +05:30

Report Issued By

ULR-TC1024524000001139F

Authenticity of report can be verified by mail at verification@spectrolab.in
This is a Digitally Signed Report and hence doesn't require Physical Signature.

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN : U74220DL1998PTC092698
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TEST REPORT

Discipline	Chemical
Group	Hazardous & restricted chemicals
Product	Polymers of Electro technical Products

ROHS-3 ANALYSIS TEST

Sample ID : D240117041-5
 Revision Summary: : Picture updated on the report.
 Test Requested : ROHS-3 analysis testing As per DIRECTIVE 2015/863
 Test Method & Results : Please refer to next page

S. No	Restricted substances (As per DIRECTIVE 2015/863 in Article 4 (ANNEX-II))	Maximum Concentration Level
1	Lead (Pb)	0.1% by weight/ (1,000 mg/kg)
2	Cadmium (as Cd)	0.01% by weight/ (1,00 mg/kg)
3	Mercury (as Hg)	0.1% by weight/ (1,000 mg/kg)
4	Hexavalent Chromium (Cr+6)	0.1% by weight/ (1,000 mg/kg)
5	Polybrominated Biphenyl (PBB) flame retardants	0.1% by weight/ (1,000 mg/kg)
6	Polybrominated diphenyl ether (PBDE) flame retardants	0.1% by weight/ (1,000 mg/kg)
7.	Di-n-butyl Phthalate (DBP)	0.1% by weight/ (1,000 mg/kg)
8.	Bis (2-ethylhexyl) Phthalate (DEHP)	0.1% by weight/ (1,000 mg/kg)
9.	Di-isobutyl Phthalate (DIBP)	0.1% by weight/ (1,000 mg/kg)
10.	Benzyl butyl Phthalate (BBP)	0.1% by weight/ (1,000 mg/kg)

Result Summary:

Test Requested	Comment
ROHS Test as per European Directive 2015/863 Annex II (RoHS); recasting 2011/65/EU – Lead, Cadmium, Mercury, Hexavalent Chromium, Polybrominated biphenyls (PBB) & Polybrominated diphenyl ether (PBDE), Di-n-butyl Phthalate (DBP), Bis (2-ethylhexyl) Phthalate (DEHP), Di-isobutyl Phthalate (DIBP), Benzyl butyl Phthalate (BBP)	PASS

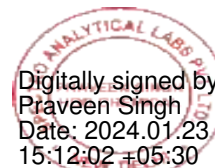

 PRAVEEN SINGH
 Reviewed By



TC-10245



ULR-TC1024524000001139F



Authorised Signatory

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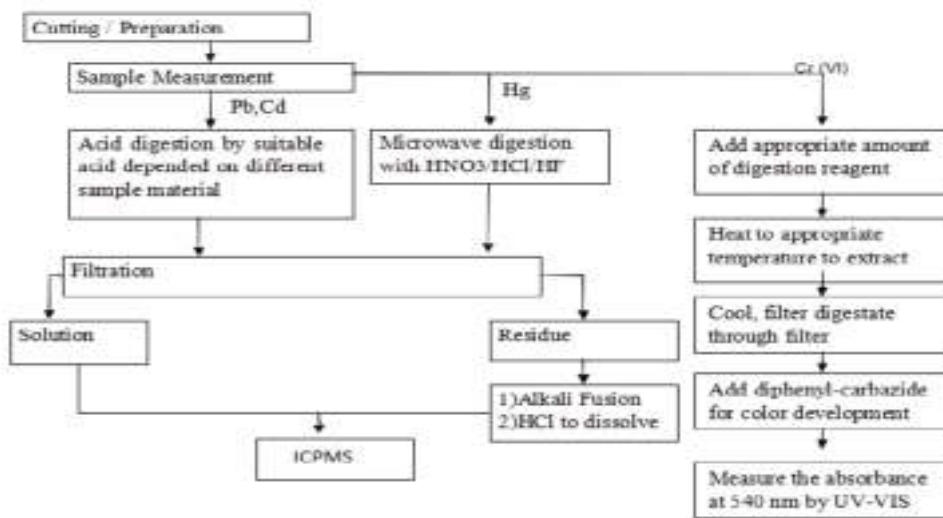
TEST REPORT

Testing Analysis Result					
Testing Parameters	Unit	Test Method	Results	MQL	RoHS Limit
Lead (Pb)	mg/kg	With reference to IEC 62321-5:2013. Analysis was performed by ICP-MS	BQL	5	1000
Cadmium (Cd)	mg/kg	With reference IEC 62321-5:2013. Analysis was performed by ICP-MS	BQL	5	100
Mercury (Hg)	mg/kg	With reference IEC 62321-4:2013. Analysis was performed by ICP-MS	BQL	5	1000
Hexavalent Chromium (Cr(VI))	mg/kg	With reference to IEC 62321-7-2:2017. Analysis was performed by UV/Vis Spectrometry	BQL	5	1000

Remark: mg/kg = ppm, 0.1wt% = 1000ppm, BQL= Below Quantification limit, MQL = Method Quantification Limit.

Testing Analysis Flow Chart

Flow of IEC 62321 (Pb, Cd, Hg & Cr⁶⁺)



Remarks: Sample received was totally dissolved by preconditioning method. (excluded Cr(VI) method)

PRAVEEN SINGH
Reviewed By



TC-10245

ULR-TC102452400001139F



Digitally signed by
Praveen Singh
Date: 2024.01.23
15:12:02 +05:30

Authorised Signatory

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN : U74220DL1998PTC092698
(part of Eurofins Scientific SE)

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TEST REPORT

ID –D240117041-5

TEST RESULTS

Testing Parameters	CAS No.	Unit	Test Method	Results	MQL	ROHS Limit
<u>Polybrominated Biphenyls (PBBs)</u>			With reference to IEC62321-6:2015 Analysis was performed by GC-MS		-	1000
Monobromobiphenyl	2052-07-5	mg/kg		BQL	10	-
Dibromobiphenyl	13029-09-9	mg/kg		BQL	10	-
Tribromobiphenyl	115245-07-03	mg/kg		BQL	10	-
Tetrabromobiphenyl	16400-50-3	mg/kg		BQL	10	-
Pentabromobiphenyl	59080-39-6	mg/kg		BQL	10	-
Hexabromobiphenyl	60044-26-0	mg/kg		BQL	10	-
Heptabromobiphenyl	88700-06-5	mg/kg		BQL	10	-
Octabromobiphenyl	67889-00-3	mg/kg		BQL	10	-
Nonabromobiphenyl	69278-62-2	mg/kg		BQL	10	-
Decabromobiphenyl	13654-09-6	mg/kg		BQL	10	-
<u>Polybrominated Diphenylethers (PBDEs)</u>					-	1000
Monobromodiphenyl ether	6876-00-2	mg/kg		BQL	10	-
Dibromodiphenyl ether	83694-71-7	mg/kg		BQL	10	-
Tribromodiphenyl ether	41318-75-6	mg/kg	BQL	10	-	
Tetrabromodiphenyl ether	189084-61-5	mg/kg	BQL	10	-	
Pentabromodiphenyl ether	182346-21-0	mg/kg	BQL	10	-	
Hexabromodiphenyl ether	182677-30-1	mg/kg	BQL	10	-	
Heptabromodiphenyl ether	189084-68-2	mg/kg	BQL	10	-	
Octabromodiphenyl ether	446255-56-7	mg/kg	BQL	10	-	
Nonabromodiphenyl ether	63387-28-0	mg/kg	BQL	10	-	
Decabromodiphenyl ether *	1163-19-15	mg/kg	BQL	10	-	
<u>Phthalates</u>			With reference to IEC62321-8:2017 Analysis was performed by GC-MS	-	-	-
Di-isobutyl Phthalate (DIBP)	84-69-5	mg/kg		BQL	20	1000
Di-n-butyl Phthalate (DBP)	84-74-2	mg/kg		BQL	20	1000
Benzyl butyl Phthalate (BBP)	85-68-7	mg/kg		BQL	20	1000
Bis (2-ethylhexyl) Phthalate (DEHP)	117-81-7	mg/kg	BQL	20	1000	

DILEEP KUMAR OJHA
Reviewed By



TC-10245



ULR-TC1024524000001139F



Authorised Signatory

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TEST REPORT

Note : (1) mg/kg = ppm ; 0.1wt% = 1000 ppm

(2) ND = Not Detected

(3) MQL = Method Quantification Limit

(4) BQL= Below Quantification Limit

(5) ppm = part per million

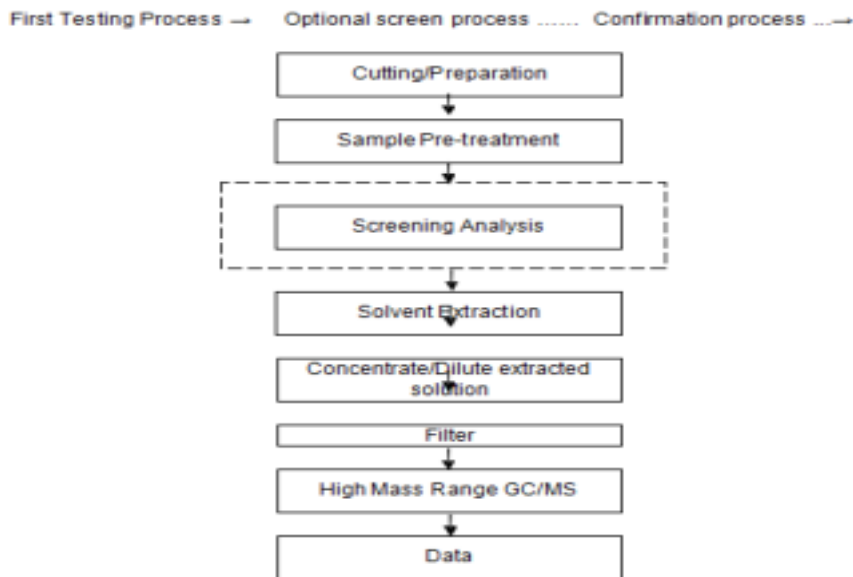
(6) mg/kg = Milligram/kilogram

(7) '<' = Less than , '>' = Greater than

(8) * = The exemption of DecaBDE in polymeric application according 2005/717/EC was overruled by the European Court of Justice by its decision of 01.04.2008. Subsequently DecaBDE will be included in the sum of PBDE after 01.07.2008

Testing Analysis Flow Chart

Process Flow of PBB & PBDE by GC/MS (IEC62321-6)



Dileep ojha
DILEEP KUMAR OJHA
 Reviewed By



TC-10245



ULR-TC102452400001139F



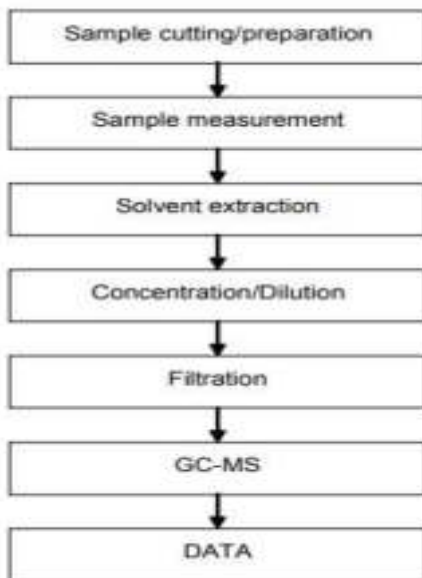
Authorised Signatory

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TEST REPORT

Process Flow of Phthalates by GC/MS(IEC62321-8)



Dileep ojha
DILEEP KUMAR OJHA
Reviewed By



TC-10245



ULR-TC102452400001139F



Authorised Signatory

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN : U74220DL1998PTC092698
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General Terms & Conditions of Sale

Spectro Analytical Labs Pvt Ltd, (formerly Spectro analytical labs Ltd) undertakes to provide service to its customer subject to the terms & conditions mentioned here-

1. Area of Application

1.1 All Orders accepted by Spectro Analytical Labs Pvt Ltd, (formerly Spectro analytical labs Ltd) (Collectively "ES") will be governed by these General Terms and Conditions of Sales (the "Terms and Conditions"), including orders placed by telephone which have not been confirmed in writing and orders made by delivery of samples. A contract with these Terms and Conditions comes into being when an order that has been placed with ES is accepted by ES. An order placed with ES is considered as accepted by ES when (a) ES proceeds to fulfil that order, without need for any written confirmation from ES or (b) ES accept the order in writing.

1.2 All reports will be issued with the legal name i.e. Spectro Analytical Labs Pvt Ltd, (formerly Spectro analytical labs Ltd)

1.3 These Terms and Conditions supersede and replace all prior verbal or written price quotations and agreements between the parties and, unless specifically indicated otherwise therein, take precedence over all conflicting or inconsistent provisions of subsequent written agreements between the parties. No officer (other than the Managing Director of ES), employee, agent or subcontractor of ES has the authority to alter or waive any of these Terms and Conditions or to make any representation which conflicts with or purports to override any of these Terms and Conditions; and no such alteration, waiver or representation shall be binding upon ES, unless it is in writing and signed by the Managing Director of ES.

2. Placement of Order

2.1 A customer order will be valid only if it is sent by mail or fax or other electronic message on letterhead of the customer or by using ES-approved sample Test request form or electronic order forms and the commercial aspects of the order which are not specifically set out in these Terms and Conditions (including price, estimated turnaround times and delivery date) must be agreed at the time of the order. The customer must confirm in writing orders given by telephone immediately after they are made and will be deemed to have placed an order if the customer sends samples to ES quoting the customer reference. ES is not obligated to start any work unless the order is clear and it has been provided all required information.

2.2 Unless specifically accepted in writing and signed by the Managing Director of ES, any terms proposed or submitted by a customer at any time (including, but not limited to, terms or provisions in the customer's purchase order-instructions or other document) which differ from these Terms and Conditions are rejected as a material alteration of these Terms and Conditions and shall be of no force or effect. Furthermore, special terms or conditions of prior orders, including special pricing, will not automatically apply to subsequent orders. Each order accepted by ES will be treated as a separate contract between ES and the customer.

2.3 Any logistic service off-site of the laboratory must be paid in full, unless it has been cancelled or modified by the customer at least forty eight hours (48) in advance for collection services, ninety six (96) hours in advance for sampling services and one (1) week in advance for auditing services.

3. Price and Terms of Payment

3.1 If the acknowledgment of an order does not state otherwise, ES' prices apply "ex works", excluding packaging, which is charged separately. Any additional cost or disbursement (e.g. incurred by ES in connection with the order) must be paid by the customer. 3.2 Prices are exclusive of all applicable taxes (GST or Other taxes) and are based on tariffs in force at the day of the remittance of the order to the customer. Applicable taxes are those in force at the date of invoicing.

3.3 Unless specifically agreed otherwise by ES in its acceptance of an order, payment of all invoices is due strictly within 30 days of the invoice date. Any dispute about invoices must be raised within 30 days of the invoice date. The challenge of any test result will not entitle a customer to defer payment. Any invoice which remains outstanding after due date, may be additionally charged with an administrative penalty of Rupees Two hundred (Rs.200) and may carry interest as per MSMED Act.

3.4 Invoices are subject to a minimum invoice charge of Rupees Two Hundred fifty (Rs.250).

3.5 The invoice settlement method is Cheque, bank transfer or direct debit. Any other method of payment must receive prior agreement from ES. The customer undertakes to provide bank account details.

3.6 ES is entitled to require payment of up to 100% of the quoted order price as a condition of acceptance.

4. Duties of Customer in Delivering Samples or Materials

4.1 The samples or materials must be in a condition that makes the preparation of reports/analyses or the production of ordered products possible without difficulty. ES is entitled to conduct an initial examination of the samples or materials to check their condition before processing the samples, drawing up a report or using them in production. The customer shall bear the costs of this initial examination, if the samples or materials do not comply with the requirements described in this clause 4.1. If the result of the initial examination is that an analysis or production is impossible or is possible only under more difficult conditions than originally anticipated (e.g. for example, because the samples or materials have been interspersed with foreign materials or substances that were not reported by the customer or are degraded) ES shall be entitled to terminate or interrupt the order and the customer shall bear costs incurred by ES to that point.

4.2 The customer must ensure, and hereby warrants, that no sample poses any danger, including on its site, during transportation, in the laboratory or otherwise to ES premises, instruments, personnel or representatives. It is the customer's responsibility to insure compliance with hazardous waste regulations, including regarding information, transportation and disposal and to inform ES personnel or representatives about sample health and safety concerns, including any known or suspected toxic or other contaminant that may be present in the sample and its likely level of contamination as well as the risks to ES premises, instruments, personnel and representatives related to the contamination. The customer shall be responsible for, and indemnifies ES against, all costs, damages, liabilities and injuries that may be caused to or incurred by ES or its personnel or representatives including on the sampling site, during the transportation or in the laboratory by the customer's sample or by sampling site conditions. The customer shall bear all extraordinary costs for adequate disposal of hazardous waste resulting from the sample, whether or not described as hazardous waste. At ES' request, the customer must provide ES with the exact composition of the samples.

5. Property Rights on Sample Material and Sample Storage

5.1 All samples become the property of ES to the extent necessary for the performance of the order. Unless the customer pays for storage, ES shall have no obligation or liability for samples sent to ES for storage, including samples requiring refrigeration however ES retains the sample for three months. If the customer pays for further storage, ES will take commercially reasonable steps to store the samples, according to professional practice.

5.2 Sample will be destroyed after one month from the date of release of test report unless specified by regulatory or ES and the customer have agreed in writing on the terms of ES' retention of the sample. ES also can dispose of or destroy the samples after the agreed upon retention period, without further notice and at customer's cost, should an extra cost for ES arise to comply with any regulation (for example, with respect to disposal of hazardous waste). If the customer requests the return of unneeded sample material, ES will return them to the customer, at the customer's cost and risk.

5.3 The sample description is not verified in all cases and is given "as described by customer". Sample not drawn by us and analysis conducted on "as received bases". Unless specified otherwise

5.4 Lab retain the copy of report for 2 years from the date of release of test report or instructed by customer or any regulatory requirement and authenticity of test report can be verified within 2 years by sending mail at verification@spectrolab.in

6. Delivery Dates, Turnaround Time

6.1 Delivery dates and turnaround times are estimates and do not constitute a commitment by ES. Nevertheless, ES shall make commercially reasonable efforts to meet its estimated deadlines.

6.2 Results are generally sent by email and/or by mail, or via other electronic means, to the attention of the persons indicated by the customer in the order, promptly after the analysis is completed.

7. Transfer of Property

7.1 Title in any analysis results, products, equipment, software or similar supplied by ES to the customer will remain with ES until all invoices in respect thereof have been paid by the customer in full, and until such full payment, the customer shall have no property rights or other rights to use them. In addition, even if ES has accepted and begun to fulfil an order, ES has the right at any time stop processing that order and to stop doing any work for a customer if that customer is late in paying any amount due to ES, whether for that or any other order.

7.2 Even after payment in full by the customer, ES shall retain the right to store, use and publish all analysis results in an anonymous form which does not identify the customer.

8. Limited Warranties and responsibilities

8.1 Orders are handled in the conditions available to ES in accordance with the current state of technology and methods developed and generally applied by ES and the results may not always be 100% exact and/ or relevant. Analyses, interpretations, assessments, consulting work and conclusions are prepared with a commercially reasonable degree of care but ES cannot guarantee that these will always be correct or absolute. This limited warranty expires three months after the delivery date of the samples, if the acknowledgement of the order does not specifically state otherwise. In all cases, the customer must independently verify the validity of any results, interpretations, assessments and conclusions supplied by ES, if it wishes to rely on the same in respect of matters of importance and shall do so at its own risk.

8.2 Each testing report relates exclusively to the sample analyzed by ES. If ES has not expressly been mandated and paid for the definition of the sampling plan (including which samples of which raw materials and finished products and at which frequent should be analyzed) and the definition of the precise range of analysis to be performed or if the customer has not followed ES recommendations, ES shall not bear any responsibility if the sampling plan and/or the range of analysis to be performed prove to be insufficient or inappropriate.

8.3 The customer is responsible for the proper delivery of samples sent to ES for examination/analyses or materials sent for production. Unless otherwise specifically agreed in writing by ES, ES accepts no responsibility for any loss or damage, which may occur to any sample in transit or to any facility or site where logistics services are being delivered. The customer will at all times be liable for the security, packaging and insurance of the sample from its dispatch until it is delivered to the offices or the laboratories of ES. ES will use commercially reasonable care in handling and storing samples, but ES shall not be held responsible for any loss or destruction of samples even after their receipt at its laboratories.

8.4 The customer warrants and represents to ES that all samples sent to ES for analysis are safe and in a stable condition and undertakes to indemnify ES for any losses, injuries, claims and costs which ES, or its personnel, may suffer as a result of any sample not being in a safe or stable condition, notwithstanding that the customer may have given an indication on the sample or any order form of any perceived problem with the sample. The customer must always inform ES in writing prior to shipment and label the packaging, samples and/ or containers appropriately, if the samples are dangerous or otherwise of a hazardous nature.

8.5 Unless explicitly agreed in writing by all parties, the contractual relationship shall be exclusively between the customer and ES. There shall be no third party beneficiary or collateral warranty relating to any order and the customer shall indemnify and hold ES harmless from and against any and all third party claims in any way relating to the customer or to the order by the customer.

8.6 The result given on the test report refer only to tested samples and application parameters.

8.7 Any complaints about the test report should be communicated in writing within 7 days of the issue of the report

9. Limitation of Liability

9.1 Except to the extent that such limitations are not permitted or void under applicable law: (a) ES (together with its workers, office clerks, employees, representatives, managers, officers, directors, agents and consultants and all ES partners and affiliates, the "ES Indemnifying Parties") shall be liable only for the proven direct and immediate damage caused by the ES Indemnifying Party's willful misconduct in connection with the performance of an order and then, only if ES has received written notice thereof not later than six (6) months after the date of the customer's knowledge of the relevant claim (unless any longer period is prescribed under applicable law and cannot be contractually limited), and (b) in all cases (whether arising under contract, tort, negligence, strict liability, through indemnification or otherwise), the ES Indemnifying Parties' liability per claim or series of related claims, and the customer's exclusive remedy, with respect to ES' services which fall under these Terms and Conditions, shall be limited to the lesser of: (i) the direct and immediate loss or damage caused by the ES Indemnifying Party's willful misconduct in connection with the performance of the order and (ii) invoice amount ES actually received from the customer in relation to the order subject to maximum of Rs. 1 lac (Rupees One Lac)

9.2 The ES Indemnifying Parties shall not be liable for any indirect, direct or consequential loss or damage (including, but not limited to, loss of business, profits, goodwill, and business opportunities or similar) incurred by the customer or by any third party.

9.3 It is a condition of ES' acceptance of an order that the customer indemnifies the ES Indemnifying Parties for any losses, injuries, claims and costs which the ES Indemnifying Parties may suffer as a result of arising from or in any way connected with its role under or services or products or software provided pursuant to these Terms and Conditions, except to the extent that the ES Indemnifying Parties are required to bear them according to these Terms and Conditions, and by placing an order the customer agrees to provide that indemnification.

10. Repeated Analysis

Objections to test results can be made within thirty (30) days after the customer receives the results. However, unless it would appear that the results of the repeated analysis do not match those of the first one, the customer shall bear the costs of the repeat testing or review. Furthermore, a repeated analysis will be possible only if ES has a sufficient amount of the original sample on hand when it receives the customer's objection. Otherwise the customer will be required to pay all costs, including sampling, transportation, analytical and disposal costs for the repeat analysis. No retest request will be accepted after return of tested sample.

11. Force Majeure

ES cannot be held liable for delays, errors, damages or other problems caused by events or circumstances which are unforeseen or beyond ES' reasonable control, or which result from compliance with governmental requests, laws and regulations.

12. Confidentiality & Processing of Customer Data

12.1 ES shall be entitled to save and process personal or commercial data received from the customer in any way, no matter whether such data stem from the customer directly or from a third party and shall use commercially reasonable efforts to keep such data confidential, in compliance with applicable law.

12.2 ES shall use commercially reasonable efforts to keep all analysis results and service reports confidential, subject to ES' rights set forth in clause 7.2 and the right to use them in order to demonstrate its entitlement to payment for services rendered.

12.3 Analysis results are prepared and supplied exclusively for the use of the customer and should not be divulged to a third party for any purposes without the prior written agreement of ES. In addition, the customer is required to maintain secrecy concerning all services provided by ES and their results as well as the composition of products and software delivered by ES. Analysis results are not to be publicly disclosed or exploited without the prior written consent of ES. Even if such written consent is given by ES, the customer (a) remains responsible for any consequences due to the divulgence of such results to a third party and any reliance of such third party on such results and (b) hereby agrees to indemnify the ES Indemnified Parties against any liability which the ES Indemnified Parties may incur as a result of such divulgence or any such third party reliance.

12.4 Test report certificate shall not be reproduced except in full, without written permission of laboratory

12.5 Test report certificate shall not be reproduced wholly or in parts and cannot be used as an evidence in a court of law and shall not be used in advertising media, without written permission of laboratory

13. Disclaimer and Miscellaneous

13.1 ALL TERMS, CONDITIONS AND WARRANTIES (INCLUDING ANY IMPLIED WARRANTY AS TO MERCHANTABILITY QUALITY OR FITNESS FOR A PARTICULAR PURPOSE) AS TO THE MANNER, QUALITY AND TIMING OF THE TESTING SERVICE AND RESULTS, EQUIPMENT, PRODUCTS OR SOFTWARE SUPPLIED BY ES ARE EXCLUDED TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW. THE WARRANTIES, OBLIGATIONS AND LIABILITIES OF ES CONTAINED IN THESE TERMS AND CONDITIONS ARE EXCLUSIVE.

13.2 These Terms and Conditions may be modified in writing from time to time by ES and orders will be governed by the most recent version of these Terms and Conditions that is in effect at the time ES accepts the order.

13.3 Should a court waive, limit or hold to be invalid, illegal or unenforceable any part of these Terms and Conditions, all other parts shall still apply to the greatest extent possible.

13.4 Failure by either ES or the customer to exercise the rights under these Terms and Conditions shall not constitute a waiver or forfeiture of such rights.

14. Governing Law Jurisdiction

14.1 The construction, validity and performance of these Terms and Conditions shall be governed by the laws and the commercial courts of Delhi Jurisdiction, Delhi State, India in which the registered office of the ES company which accepted the order in question is located (including in cases involving multiple counsels for the defense or third-party respondents), which shall have exclusive jurisdiction.

* End of Report *

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN: U74220DL1998PTC092698

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ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Laboratory

TEST REPORT

Test Report Issued To:

ENCRAFT INDIA PVT. LTD.

KHASRA NO. 1001, JAMANPUR, CENTRAL HOPE TOWN,
SELAQUI INDUSTRIAL AREA,
DEHRADUN, UTTARAKHAND - 248197,
INDIA

Test Report No: D240117041/D240117041-21
Issue Date: 23-Jan-2024
Sample Booking/Receipt Date: 17-Jan-2024
Test Start Date: 18-Jan-2024
Test Completion Date: 23-Jan-2024



Customer Relationship Number 54414

Sample Description :

EN-02 Compound -Dark Oak



Customer Reference No :

Kind Attention : MR. JOGENDRA SINGH

E-Mail: JOGENDRA.SINGH@ENCRAFT.IN

Contact No: 7060111090

Sample Condition : Good

Sample Quantity (Approx) : 1 - Nos

Sample Size (Approx) : NA - mm

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED



Digitally signed by
Praveen Singh
Date: 2024.01.23
15:10:29 +05:30

Report Issued By

ULR-TC1024524000001136F

Authenticity of report can be verified by mail at verification@spectrolab.in
This is a Digitally Signed Report and hence doesn't require Physical Signature.

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN : U74220DL1998PTC092698
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TEST REPORT

Discipline	Chemical
Group	Hazardous & restricted chemicals
Product	Polymers of Electro technical Products

ROHS-3 ANALYSIS TEST

Sample ID : D240117041-2
 Revision Summary: : Picture updated on the report.
 Test Requested : ROHS-3 analysis testing As per DIRECTIVE 2015/863
 Test Method &Results : Please refer to next page

S. No	Restricted substances (As per DIRECTIVE 2015/863 in Article 4 (ANNEX-II))	Maximum Concentration Level
1	Lead (Pb)	0.1% by weight/ (1,000 mg/kg)
2	Cadmium (as Cd)	0.01% by weight/ (1,00 mg/kg)
3	Mercury (as Hg)	0.1% by weight/ (1,000 mg/kg)
4	Hexavalent Chromium (Cr+6)	0.1% by weight/ (1,000 mg/kg)
5	Polybrominated Biphenyl (PBB) flame retardants	0.1% by weight/ (1,000 mg/kg)
6	Polybrominated diphenyl ether (PBDE) flame retardants	0.1% by weight/ (1,000 mg/kg)
7.	Di-n-butyl Phthalate (DBP)	0.1% by weight/ (1,000 mg/kg)
8.	Bis (2-ethylhexyl) Phthalate (DEHP)	0.1% by weight/ (1,000 mg/kg)
9.	Di-isobutyl Phthalate (DIBP)	0.1% by weight/ (1,000 mg/kg)
10.	Benzyl butyl Phthalate (BBP)	0.1% by weight/ (1,000 mg/kg)

Result Summary:

Test Requested	Comment
ROHS Test as per European Directive 2015/863 Annex II (RoHS); recasting 2011/65/EU – Lead, Cadmium, Mercury, Hexavalent Chromium, Polybrominated biphenyls (PBB) & Polybrominated diphenyl ether (PBDE), Di-n-butyl Phthalate (DBP), Bis (2-ethylhexyl) Phthalate (DEHP), Di-isobutyl Phthalate (DIBP), Benzyl butyl Phthalate (BBP)	PASS


 PRAVEEN SINGH
 Reviewed By



TC-10245



ULR-TC1024524000001136F



Authorised Signatory

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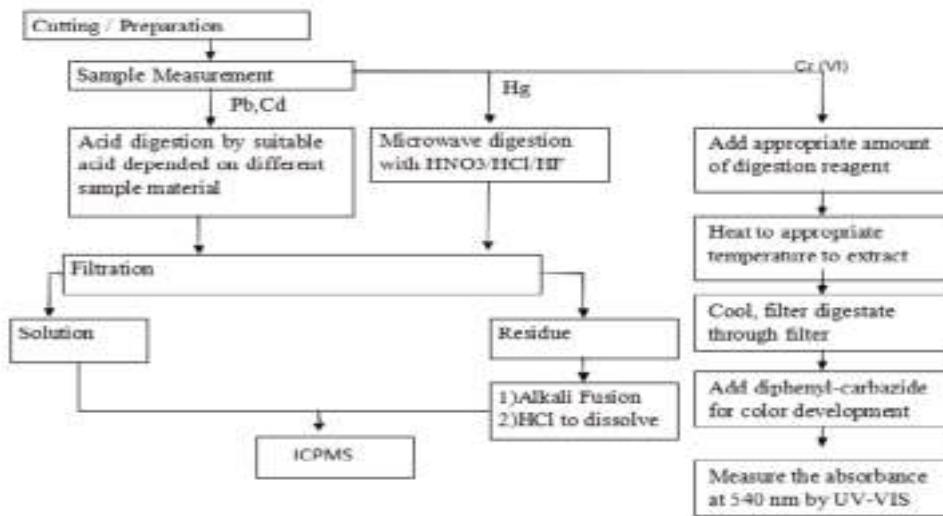
TEST REPORT

Testing Analysis Result					
Testing Parameters	Unit	Test Method	Results	MQL	RoHS Limit
Lead (Pb)	mg/kg	With reference to IEC 62321-5:2013. Analysis was performed by ICP-MS	12	5	1000
Cadmium (Cd)	mg/kg	With reference IEC 62321-5:2013. Analysis was performed by ICP-MS	BQL	5	100
Mercury (Hg)	mg/kg	With reference IEC 62321-4:2013. Analysis was performed by ICP-MS	BQL	5	1000
Hexavalent Chromium (Cr(VI))	mg/kg	With reference to IEC 62321-7-2:2017. Analysis was performed by UV/Vis Spectrometry	BQL	5	1000

Remark: mg/kg = ppm, 0.1wt% = 1000ppm, BQL= Below Quantification limit, MQL = Method Quantification Limit.

Testing Analysis Flow Chart

Flow of IEC 62321 (Pb, Cd, Hg & Cr⁶⁺)



Remarks: Sample received was totally dissolved by preconditioning method. (excluded Cr(VI) method)

PRAVEEN SINGH
 Reviewed By



TC-10245

ULR-TC102452400001136F



Digitally signed by
 Praveen Singh
 Date: 2024.01.23
 15:10:29 +05:30

Authorised Signatory

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN : U74220DL1998PTC092698
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TEST REPORT

ID –D240117041-2

TEST RESULTS

Testing Parameters	CAS No.	Unit	Test Method	Results	MQL	ROHS Limit	
<u>Polybrominated Biphenyls (PBBs)</u>			With reference to IEC62321-6:2015 Analysis was performed by GC-MS		-	1000	
Monobromobiphenyl	2052-07-5	mg/kg		BQL	10	-	
Dibromobiphenyl	13029-09-9	mg/kg		BQL	10	-	
Tribromobiphenyl	115245-07-03	mg/kg		BQL	10	-	
Tetrabromobiphenyl	16400-50-3	mg/kg		BQL	10	-	
Pentabromobiphenyl	59080-39-6	mg/kg		BQL	10	-	
Hexabromobiphenyl	60044-26-0	mg/kg		BQL	10	-	
Heptabromobiphenyl	88700-06-5	mg/kg		BQL	10	-	
Octabromobiphenyl	67889-00-3	mg/kg		BQL	10	-	
Nonabromobiphenyl	69278-62-2	mg/kg		BQL	10	-	
Decabromobiphenyl	13654-09-6	mg/kg		BQL	10	-	
<u>Polybrominated Diphenylethers (PBDEs)</u>						-	1000
Monobromodiphenyl ether	6876-00-2	mg/kg		BQL	10	-	
Dibromodiphenyl ether	83694-71-7	mg/kg	BQL	10	-		
Tribromodiphenyl ether	41318-75-6	mg/kg	BQL	10	-		
Tetrabromodiphenyl ether	189084-61-5	mg/kg	BQL	10	-		
Pentabromodiphenyl ether	182346-21-0	mg/kg	BQL	10	-		
Hexabromodiphenyl ether	182677-30-1	mg/kg	BQL	10	-		
Heptabromodiphenyl ether	189084-68-2	mg/kg	BQL	10	-		
Octabromodiphenyl ether	446255-56-7	mg/kg	BQL	10	-		
Nonabromodiphenyl ether	63387-28-0	mg/kg	BQL	10	-		
Decabromodiphenyl ether *	1163-19-15	mg/kg	BQL	10	-		
<u>Phthalates</u>			With reference to IEC62321-8:2017 Analysis was performed by GC-MS		-	-	
Di-isobutyl Phthalate (DIBP)	84-69-5	mg/kg		BQL	20	1000	
Di-n-butyl Phthalate (DBP)	84-74-2	mg/kg		BQL	20	1000	
Benzyl butyl Phthalate (BBP)	85-68-7	mg/kg		BQL	20	1000	
Bis (2-ethylhexyl) Phthalate (DEHP)	117-81-7	mg/kg		BQL	20	1000	

Dileep Ojha
DILEEP KUMAR OJHA
Reviewed By



TC-10245



ULR-TC1024524000001136F



Authorised Signatory

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN : U74220DL1998PTC092698
(part of Eurofins Scientific SE)

E-41, Okhla Industrial Area, Phase-II, New Delhi-110020 (India)
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TEST REPORT

Note : (1) mg/kg = ppm ; 0.1wt% = 1000 ppm

(2) ND = Not Detected

(3) MQL = Method Quantification Limit

(4) BQL= Below Quantification Limit

(5) ppm = part per million

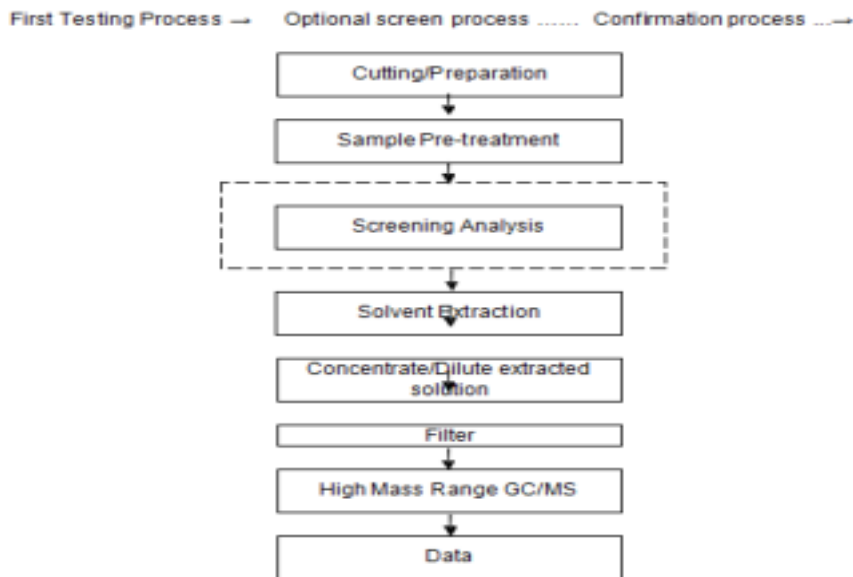
(6) mg/kg = Milligram/kilogram

(7) '<' = Less than , '>' = Greater than

(8) * = The exemption of DecaBDE in polymeric application according 2005/717/EC was overruled by the European Court of Justice by its decision of 01.04.2008. Subsequently DecaBDE will be included in the sum of PBDE after 01.07.2008

Testing Analysis Flow Chart

Process Flow of PBB & PBDE by GC/MS (IEC62321-6)



Dileep ojha
 DILEEP KUMAR OJHA
 Reviewed By



TC-10245



ULR-TC1024524000001136F



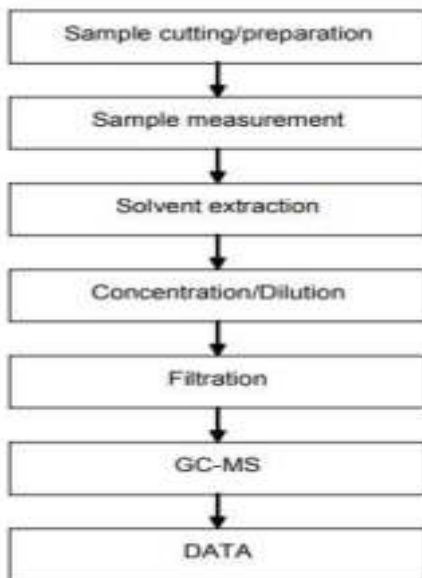
Authorised Signatory

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TEST REPORT

Process Flow of Phthalates by GC/MS(IEC62321-8)



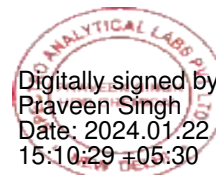
Dileep ojha
DILEEP KUMAR OJHA
Reviewed By



TC-10245



ULR-TC102452400001136F



Digitally signed by
Praveen Singh
Date: 2024.01.22
15:10:29 +05:30

Authorised Signatory

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN : U74220DL1998PTC092698
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General Terms & Conditions of Sale

Spectro Analytical Labs Pvt Ltd, (formerly Spectro analytical labs Ltd) undertakes to provide service to its customer subject to the terms & conditions mentioned here-

1. Area of Application

1.1 All Orders accepted by Spectro Analytical Labs Pvt Ltd, (formerly Spectro analytical labs Ltd) (Collectively "ES") will be governed by these General Terms and Conditions of Sales (the "Terms and Conditions"), including orders placed by telephone which have not been confirmed in writing and orders made by delivery of samples. A contract with these Terms and Conditions comes into being when an order that has been placed with ES is accepted by ES. An order placed with ES is considered as accepted by ES when (a) ES proceeds to fulfil that order, without need for any written confirmation from ES or (b) ES accept the order in writing.

1.2 All reports will be issued with the legal name i.e. Spectro Analytical Labs Pvt Ltd, (formerly Spectro analytical labs Ltd)

1.3 These Terms and Conditions supersede and replace all prior verbal or written price quotations and agreements between the parties and, unless specifically indicated otherwise therein, take precedence over all conflicting or inconsistent provisions of subsequent written agreements between the parties. No officer (other than the Managing Director of ES), employee, agent or subcontractor of ES has the authority to alter or waive any of these Terms and Conditions or to make any representation which conflicts with or purports to override any of these Terms and Conditions; and no such alteration, waiver or representation shall be binding upon ES, unless it is in writing and signed by the Managing Director of ES.

2. Placement of Order

2.1 A customer order will be valid only if it is sent by mail or fax or other electronic message on letterhead of the customer or by using ES-approved sample Test request form or electronic order forms and the commercial aspects of the order which are not specifically set out in these Terms and Conditions (including price, estimated turnaround times and delivery date) must be agreed at the time of the order. The customer must confirm in writing orders given by telephone immediately after they are made and will be deemed to have placed an order if the customer sends samples to ES quoting the customer reference. ES is not obligated to start any work unless the order is clear and it has been provided all required information.

2.2 Unless specifically accepted in writing and signed by the Managing Director of ES, any terms proposed or submitted by a customer at any time (including, but not limited to, terms or provisions in the customer's purchase order-instructions or other document) which differ from these Terms and Conditions are rejected as a material alteration of these Terms and Conditions and shall be of no force or effect. Furthermore, special terms or conditions of prior orders, including special pricing, will not automatically apply to subsequent orders. Each order accepted by ES will be treated as a separate contract between ES and the customer.

2.3 Any logistic service off-site of the laboratory must be paid in full, unless it has been cancelled or modified by the customer at least forty eight hours (48) in advance for collection services, ninety six (96) hours in advance for sampling services and one (1) week in advance for auditing services.

3. Price and Terms of Payment

3.1 If the acknowledgment of an order does not state otherwise, ES' prices apply "ex works", excluding packaging, which is charged separately. Any additional cost or disbursement (e.g. incurred by ES in connection with the order) must be paid by the customer. 3.2 Prices are exclusive of all applicable taxes (GST or Other taxes) and are based on tariffs in force at the day of the remittance of the order to the customer. Applicable taxes are those in force at the date of invoicing.

3.3 Unless specifically agreed otherwise by ES in its acceptance of an order, payment of all invoices is due strictly within 30 days of the invoice date. Any dispute about invoices must be raised within 30 days of the invoice date. The challenge of any test result will not entitle a customer to defer payment. Any invoice which remains outstanding after due date, may be additionally charged with an administrative penalty of Rupees Two hundred (Rs.200) and may carry interest as per MSMED Act.

3.4 Invoices are subject to a minimum invoice charge of Rupees Two Hundred fifty (Rs.250).

3.5 The invoice settlement method is Cheque, bank transfer or direct debit. Any other method of payment must receive prior agreement from ES. The customer undertakes to provide bank account details.

3.6 ES is entitled to require payment of up to 100% of the quoted order price as a condition of acceptance.

4. Duties of Customer in Delivering Samples or Materials

4.1 The samples or materials must be in a condition that makes the preparation of reports/analyses or the production of ordered products possible without difficulty. ES is entitled to conduct an initial examination of the samples or materials to check their condition before processing the samples, drawing up a report or using them in production. The customer shall bear the costs of this initial examination, if the samples or materials do not comply with the requirements described in this clause 4.1. If the result of the initial examination is that an analysis or production is impossible or is possible only under more difficult conditions than originally anticipated (e.g. for example, because the samples or materials have been interspersed with foreign materials or substances that were not reported by the customer or are degraded) ES shall be entitled to terminate or interrupt the order and the customer shall bear costs incurred by ES to that point.

4.2 The customer must ensure, and hereby warrants, that no sample poses any danger, inducing on its site, during transportation, in the laboratory or otherwise to ES premises, instruments, personnel or representatives. It is the customer's responsibility to insure compliance with hazardous waste regulations, including regarding information, transportation and disposal and to inform ES personnel or representatives about sample health and safety concerns, including any known or suspected toxic or other contaminant that may be present in the sample and its likely level of contamination as well as the risks to ES premises, instruments, personnel and representatives related to the contamination. The customer shall be responsible for, and indemnifies ES against, all costs, damages, liabilities and injuries that may be caused to or incurred by ES or its personnel or representatives including on the sampling site, during the transportation or in the laboratory by the customer's sample or by sampling site conditions. The customer shall bear all extraordinary costs for adequate disposal of hazardous waste resulting from the sample, whether or not described as hazardous waste. At ES' request, the customer must provide ES with the exact composition of the samples.

5. Property Rights on Sample Material and Sample Storage

5.1 All samples become the property of ES to the extent necessary for the performance of the order. Unless the customer pays for storage, ES shall have no obligation or liability for samples sent to ES for storage, including samples requiring refrigeration however ES retains the sample for three months. If the customer pays for further storage, ES will take commercially reasonable steps to store the samples, according to professional practice.

5.2 Sample will be destroyed after one month from the date of release of test report unless specified by regulatory or ES and the customer have agreed in writing on the terms of ES' retention of the sample. ES also can dispose of or destroy the samples after the agreed upon retention period, without further notice and at customer's cost, should an extra cost for ES arise to comply with any regulation (for example, with respect to disposal of hazardous waste). If the customer requests the return of unneeded sample material, ES will return them to the customer, at the customer's cost and risk.

5.3 The sample description is not verified in all cases and is given "as described by customer". Sample not drawn by us and analysis conducted on "as received bases". Unless specified otherwise

5.4 Lab retain the copy of report for 2 years from the date of release of test report or instructed by customer or any regulatory requirement and authenticity of test report can be verified within 2 years by sending mail at verification@spectrolab.in

6. Delivery Dates, Turnaround Time

6.1 Delivery dates and turnaround times are estimates and do not constitute a commitment by ES. Nevertheless, ES shall make commercially reasonable efforts to meet its estimated deadlines.

6.2 Results are generally sent by email and/or by mail, or via other electronic means, to the attention of the persons indicated by the customer in the order, promptly after the analysis is completed.

7. Transfer of Property

7.1 Title in any analysis results, products, equipment, software or similar supplied by ES to the customer will remain with ES until all invoices in respect thereof have been paid by the customer in full, and until such full payment, the customer shall have no property rights or other rights to use them. In addition, even if ES has accepted and begun to fulfil an order, ES has the right at any time stop processing that order and to stop doing any work for a customer if that customer is late in paying any amount due to ES, whether for that or any other order.

7.2 Even after payment in full by the customer, ES shall retain the right to store, use and publish all analysis results in an anonymous form which does not identify the customer.

8. Limited Warranties and responsibilities

8.1 Orders are handled in the conditions available to ES in accordance with the current state of technology and methods developed and generally applied by ES and the results may not always be 100% exact and/ or relevant. Analyses, interpretations, assessments, consulting work and conclusions are prepared with a commercially reasonable degree of care but ES cannot guarantee that these will always be correct or absolute. This limited warranty expires three months after the delivery date of the samples, if the acknowledgement of the order does not specifically state otherwise. In all cases, the customer must independently verify the validity of any results, interpretations, assessments and conclusions supplied by ES, if it wishes to rely on the same in respect of matters of importance and shall do so at its own risk.

8.2 Each testing report relates exclusively to the sample analyzed by ES. If ES has not expressly been mandated and paid for the definition of the sampling plan (including which samples of which raw materials and finished products and at which frequent should be analyzed) and the definition of the precise range of analysis to be performed or if the customer has not followed ES recommendations, ES shall not bear any responsibility if the sampling plan and/or the range of analysis to be performed prove to be insufficient or inappropriate.

8.3 The customer is responsible for the proper delivery of samples sent to ES for examination/analyses or materials sent for production. Unless otherwise specifically agreed in writing by ES, ES accepts no responsibility for any loss or damage, which may occur to any sample in transit or to any facility or site where logistics services are being delivered. The customer will at all times be liable for the security, packaging and insurance of the sample from its dispatch until it is delivered to the offices or the laboratories of ES. ES will use commercially reasonable care in handling and storing samples, but ES shall not be held responsible for any loss or destruction of samples even after their receipt at its laboratories.

8.4 The customer warrants and represents to ES that all samples sent to ES for analysis are safe and in a stable condition and undertakes to indemnify ES for any losses, injuries, claims and costs which ES, or its personnel, may suffer as a result of any sample not being in a safe or stable condition, notwithstanding that the customer may have given an indication on the sample or any order form of any perceived problem with the sample. The customer must always inform ES in writing prior to shipment and label the packaging, samples and/ or containers appropriately, if the samples are dangerous or otherwise of a hazardous nature.

8.5 Unless explicitly agreed in writing by all parties, the contractual relationship shall be exclusively between the customer and ES. There shall be no third party beneficiary or collateral warranty relating to any order and the customer shall indemnify and hold ES harmless from and against any and all third party claims in any way relating to the customer or to the order by the customer.

8.6 The result given on the test report refer only to tested samples and application parameters.

8.7 Any complaints about the test report should be communicated in writing within 7 days of the issue of the report

9. Limitation of Liability

9.1 Except to the extent that such limitations are not permitted or void under applicable law: (a) ES (together with its workers, office clerks, employees, representatives, managers, officers, directors, agents and consultants and all ES partners and affiliates, the "ES Indemnifying Parties") shall be liable only for the proven direct and immediate damage caused by the ES Indemnifying Party's willful misconduct in connection with the performance of an order and then, only if ES has received written notice thereof not later than six (6) months after the date of the customer's knowledge of the relevant claim (unless any longer period is prescribed under applicable law and cannot be contractually limited), and (b) in all cases (whether arising under contract, tort, negligence, strict liability, through indemnification or otherwise), the ES Indemnifying Parties' liability per claim or series of related claims, and the customer's exclusive remedy, with respect to ES' services which fall under these Terms and Conditions, shall be limited to the lesser of: (i) the direct and immediate loss or damage caused by the ES Indemnifying Party's willful misconduct in connection with the performance of the order and (ii) invoice amount ES actually received from the customer in relation to the order subject to maximum of Rs. 1 lac (Rupees One Lac)

9.2 The ES Indemnifying Parties shall not be liable for any indirect, direct or consequential loss or damage (including, but not limited to, loss of business, profits, goodwill, and business opportunities or similar) incurred by the customer or by any third party.

9.3 It is a condition of ES' acceptance of an order that the customer indemnifies the ES Indemnifying Parties for any losses, injuries, claims and costs which the ES Indemnifying Parties may suffer as a result of arising from or in any way connected with its role under or services or products or software provided pursuant to these Terms and Conditions, except to the extent that the ES Indemnifying Parties are required to bear them according to these Terms and Conditions, and by placing an order the customer agrees to provide that indemnification.

10. Repeated Analysis

Objections to test results can be made within thirty (30) days after the customer receives the results. However, unless it would appear that the results of the repeated analysis do not match those of the first one, the customer shall bear the costs of the repeat testing or review. Furthermore, a repeated analysis will be possible only if ES has a sufficient amount of the original sample on hand when it receives the customer's objection. Otherwise the customer will be required to pay all costs, including sampling, transportation, analytical and disposal costs for the repeat analysis. No retest request will be accepted after return of tested sample.

11. Force Majeure

ES cannot be held liable for delays, errors, damages or other problems caused by events or circumstances which are unforeseen or beyond ES' reasonable control, or which result from compliance with governmental requests, laws and regulations.

12. Confidentiality & Processing of Customer Data

12.1 ES shall be entitled to save and process personal or commercial data received from the customer in any way, no matter whether such data stem from the customer directly or from a third party and shall use commercially reasonable efforts to keep such data confidential, in compliance with applicable law.

12.2 ES shall use commercially reasonable efforts to keep all analysis results and service reports confidential, subject to ES' rights set forth in clause 7.2 and the right to use them in order to demonstrate its entitlement to payment for services rendered.

12.3 Analysis results are prepared and supplied exclusively for the use of the customer and should not be divulged to a third party for any purposes without the prior written agreement of ES. In addition, the customer is required to maintain secrecy concerning all services provided by ES and their results as well as the composition of products and software delivered by ES. Analysis results are not to be publicly disclosed or exploited without the prior written consent of ES. Even if such written consent is given by ES, the customer (a) remains responsible for any consequences due to the divulgence of such results to a third party and any reliance of such third party on such results and (b) hereby agrees to indemnify the ES Indemnified Parties against any liability which the ES Indemnified Parties may incur as a result of such divulgence or any such third party reliance.

12.4 Test report certificate shall not be reproduced except in full, without written permission of laboratory

12.5 Test report certificate shall not be reproduced wholly or in parts and cannot be used as an evidence in a court of law and shall not be used in advertising media, without written permission of laboratory

13. Disclaimer and Miscellaneous

13.1 ALL TERMS, CONDITIONS AND WARRANTIES (INCLUDING ANY IMPLIED WARRANTY AS TO MERCHANTABILITY QUALITY OR FITNESS FOR A PARTICULAR PURPOSE) AS TO THE MANNER, QUALITY AND TIMING OF THE TESTING SERVICE AND RESULTS, EQUIPMENT, PRODUCTS OR SOFTWARE SUPPLIED BY ES ARE EXCLUDED TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW. THE WARRANTIES, OBLIGATIONS AND LIABILITIES OF ES CONTAINED IN THESE TERMS AND CONDITIONS ARE EXCLUSIVE.

13.2 These Terms and Conditions may be modified in writing from time to time by ES and orders will be governed by the most recent version of these Terms and Conditions that is in effect at the time ES accepts the order.

13.3 Should a court waive, limit or hold to be invalid, illegal or unenforceable any part of these Terms and Conditions, all other parts shall still apply to the greatest extent possible.

13.4 Failure by either ES or the customer to exercise the rights under these Terms and Conditions shall not constitute a waiver or forfeiture of such rights.

14. Governing Law Jurisdiction

14.1 The construction, validity and performance of these Terms and Conditions shall be governed by the laws and the commercial courts of Delhi Jurisdiction, Delhi State, India in which the registered office of the ES company which accepted the order in question is located (including in cases involving multiple counsels for the defense or third-party respondents), which shall have exclusive jurisdiction.

* End of Report *

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN: U74220DL1998PTC092698

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+91-11-40522000, 41611000 | www.spectro.in | care@spectro.in

ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Laboratory

TEST REPORT

Test Report Issued To:

ENCRAFT INDIA PVT. LTD.

KHASRA NO. 1001, JAMANPUR, CENTRAL HOPE TOWN,
SELAQUI INDUSTRIAL AREA,
DEHRADUN, UTTARAKHAND - 248197,
INDIA

Test Report No: D240117041/D240117041-61
Issue Date: 23-Jan-2024
Sample Booking/Receipt Date: 17-Jan-2024
Test Start Date: 18-Jan-2024
Test Completion Date: 23-Jan-2024



Customer Relationship Number 54414

Sample Description :

EN-03 Profile-Golden Oak



Customer Reference No :

Kind Attention : MR. JOGENDRA SINGH

E-Mail: JOGENDRA.SINGH@ENCRAFT.IN

Contact No: 7060111090

Sample Condition : Good

Sample Quantity (Approx) : 1 - Nos

Sample Size (Approx) : NA - mm

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED



Digitally signed by
Praveen Singh
Date: 2024.01.23
15:11:29 +05:30

Report Issued By

ULR-TC1024524000001140F

Authenticity of report can be verified by mail at verification@spectrolab.in
This is a Digitally Signed Report and hence doesn't require Physical Signature.

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN : U74220DL1998PTC092698
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TEST REPORT

Discipline	Chemical
Group	Hazardous & restricted chemicals
Product	Polymers of Electro technical Products

ROHS-3 ANALYSIS TEST

Sample ID : D240117041-6
 Revision Summary: : Picture updated on the report.
 Test Requested : ROHS-3 analysis testing As per DIRECTIVE 2015/863
 Test Method &Results : Please refer to next page

S. No	Restricted substances (As per DIRECTIVE 2015/863 in Article 4 (ANNEX-II))	Maximum Concentration Level
1	Lead (Pb)	0.1% by weight/ (1,000 mg/kg)
2	Cadmium (as Cd)	0.01% by weight/ (1,00 mg/kg)
3	Mercury (as Hg)	0.1% by weight/ (1,000 mg/kg)
4	Hexavalent Chromium (Cr+6)	0.1% by weight/ (1,000 mg/kg)
5	Polybrominated Biphenyl (PBB) flame retardants	0.1% by weight/ (1,000 mg/kg)
6	Polybrominated diphenyl ether (PBDE) flame retardants	0.1% by weight/ (1,000 mg/kg)
7.	Di-n-butyl Phthalate (DBP)	0.1% by weight/ (1,000 mg/kg)
8.	Bis (2-ethylhexyl) Phthalate (DEHP)	0.1% by weight/ (1,000 mg/kg)
9.	Di-isobutyl Phthalate (DIBP)	0.1% by weight/ (1,000 mg/kg)
10.	Benzyl butyl Phthalate (BBP)	0.1% by weight/ (1,000 mg/kg)

Result Summary:

Test Requested	Comment
ROHS Test as per European Directive 2015/863 Annex II (RoHS); recasting 2011/65/EU – Lead, Cadmium, Mercury, Hexavalent Chromium, Polybrominated biphenyls (PBB) & Polybrominated diphenyl ether (PBDE), Di-n-butyl Phthalate (DBP), Bis (2-ethylhexyl) Phthalate (DEHP), Di-isobutyl Phthalate (DIBP), Benzyl butyl Phthalate (BBP)	PASS

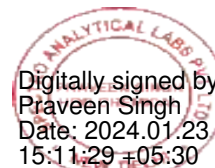

 PRAVEEN SINGH
 Reviewed By



TC-10245



ULR-TC1024524000001140F



Authorised Signatory

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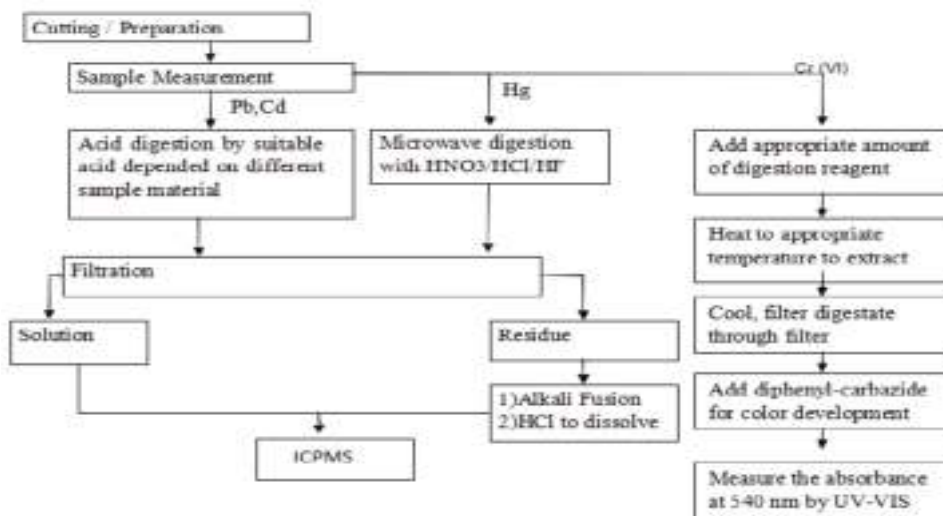
TEST REPORT

Testing Analysis Result					
Testing Parameters	Unit	Test Method	Results	MQL	RoHS Limit
Lead (Pb)	mg/kg	With reference to IEC 62321-5:2013. Analysis was performed by ICP-MS	11	5	1000
Cadmium (Cd)	mg/kg	With reference IEC 62321-5:2013. Analysis was performed by ICP-MS	BQL	5	100
Mercury (Hg)	mg/kg	With reference IEC 62321-4:2013. Analysis was performed by ICP-MS	BQL	5	1000
Hexavalent Chromium (Cr(VI))	mg/kg	With reference to IEC 62321-7-2:2017. Analysis was performed by UV/Vis Spectrometry	BQL	5	1000

Remark: mg/kg = ppm, 0.1wt% = 1000ppm, BQL= Below Quantification limit, MQL = Method Quantification Limit.

Testing Analysis Flow Chart

Flow of IEC 62321 (Pb, Cd, Hg & Cr⁶⁺)



Remarks: Sample received was totally dissolved by preconditioning method. (excluded Cr(VI) method)

PRAVEEN SINGH
Reviewed By



TC-10245

ULR-TC102452400001140F



Digitally signed by
Praveen Singh
Date: 2024.01.23
15:11:29 +05:30

Authorised Signatory

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TEST REPORT

ID –D240117041-6

TEST RESULTS

Testing Parameters	CAS No.	Unit	Test Method	Results	MQL	ROHS Limit	
<u>Polybrominated Biphenyls (PBBs)</u>			With reference to IEC62321-6:2015 Analysis was performed by GC-MS		-	1000	
Monobromobiphenyl	2052-07-5	mg/kg		BQL	10	-	
Dibromobiphenyl	13029-09-9	mg/kg		BQL	10	-	
Tribromobiphenyl	115245-07-03	mg/kg		BQL	10	-	
Tetrabromobiphenyl	16400-50-3	mg/kg		BQL	10	-	
Pentabromobiphenyl	59080-39-6	mg/kg		BQL	10	-	
Hexabromobiphenyl	60044-26-0	mg/kg		BQL	10	-	
Heptabromobiphenyl	88700-06-5	mg/kg		BQL	10	-	
Octabromobiphenyl	67889-00-3	mg/kg		BQL	10	-	
Nonabromobiphenyl	69278-62-2	mg/kg		BQL	10	-	
Decabromobiphenyl	13654-09-6	mg/kg		BQL	10	-	
<u>Polybrominated Diphenylethers (PBDEs)</u>						-	1000
Monobromodiphenyl ether	6876-00-2	mg/kg		BQL	10	-	
Dibromodiphenyl ether	83694-71-7	mg/kg	BQL	10	-		
Tribromodiphenyl ether	41318-75-6	mg/kg	BQL	10	-		
Tetrabromodiphenyl ether	189084-61-5	mg/kg	BQL	10	-		
Pentabromodiphenyl ether	182346-21-0	mg/kg	BQL	10	-		
Hexabromodiphenyl ether	182677-30-1	mg/kg	BQL	10	-		
Heptabromodiphenyl ether	189084-68-2	mg/kg	BQL	10	-		
Octabromodiphenyl ether	446255-56-7	mg/kg	BQL	10	-		
Nonabromodiphenyl ether	63387-28-0	mg/kg	BQL	10	-		
Decabromodiphenyl ether *	1163-19-15	mg/kg	BQL	10	-		
<u>Phthalates</u>			With reference to IEC62321-8:2017 Analysis was performed by GC-MS		-	-	
Di-isobutyl Phthalate (DIBP)	84-69-5	mg/kg		BQL	20	1000	
Di-n-butyl Phthalate (DBP)	84-74-2	mg/kg		BQL	20	1000	
Benzyl butyl Phthalate (BBP)	85-68-7	mg/kg		BQL	20	1000	
Bis (2-ethylhexyl) Phthalate (DEHP)	117-81-7	mg/kg	BQL	20	1000		

DILEEP KUMAR OJHA
Reviewed By



TC-10245



ULR-TC1024524000001140F



Authorised Signatory

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN : U74220DL1998PTC092698
(part of Eurofins Scientific SE)

E-41, Okhla Industrial Area, Phase-II, New Delhi-110020 (India)
+91-11-40522000, 41611000 | www.spectro.in | care@spectro.in

TEST REPORT

Note : (1) mg/kg = ppm ; 0.1wt% = 1000 ppm

(2) ND = Not Detected

(3) MQL = Method Quantification Limit

(4) BQL= Below Quantification Limit

(5) ppm = part per million

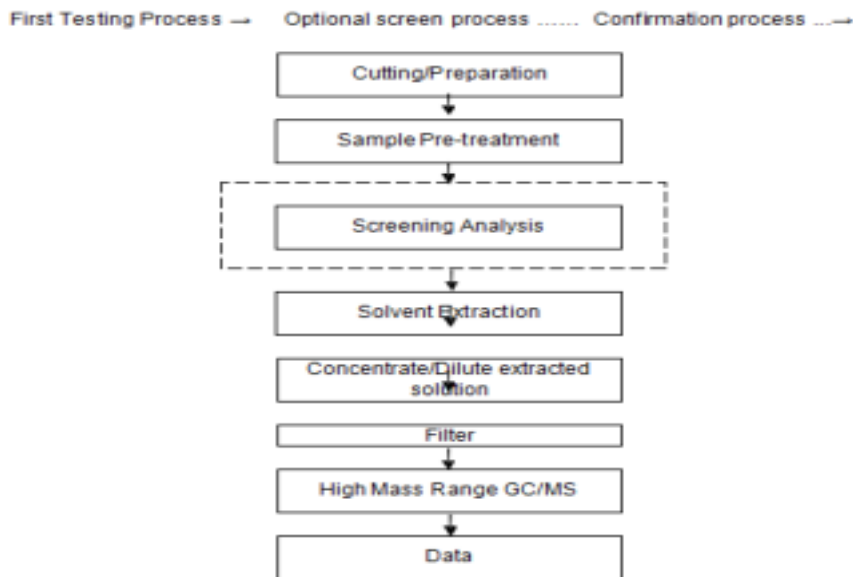
(6) mg/kg = Milligram/kilogram

(7) '<' = Less than , '>' = Greater than

(8) * = The exemption of DecaBDE in polymeric application according 2005/717/EC was overruled by the European Court of Justice by its decision of 01.04.2008. Subsequently DecaBDE will be included in the sum of PBDE after 01.07.2008

Testing Analysis Flow Chart

Process Flow of PBB & PBDE by GC/MS (IEC62321-6)



Dileep ojha
 DILEEP KUMAR OJHA
 Reviewed By



TC-10245



ULR-TC1024524000001140F



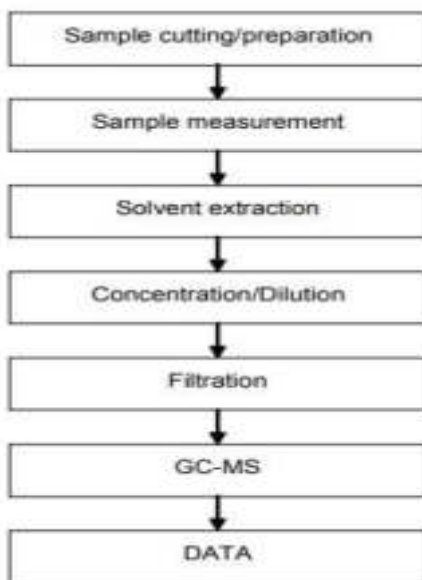
Authorised Signatory

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TEST REPORT

Process Flow of Phthalates by GC/MS(IEC62321-8)



Dileep ojha
DILEEP KUMAR OJHA
Reviewed By



TC-10245



ULR-TC102452400001140F



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General Terms & Conditions of Sale

Spectro Analytical Labs Pvt Ltd, (formerly Spectro analytical labs Ltd) undertakes to provide service to its customer subject to the terms & conditions mentioned here-

1. Area of Application

1.1 All Orders accepted by Spectro Analytical Labs Pvt Ltd, (formerly Spectro analytical labs Ltd) (Collectively "ES") will be governed by these General Terms and Conditions of Sales (the "Terms and Conditions"), including orders placed by telephone which have not been confirmed in writing and orders made by delivery of samples. A contract with these Terms and Conditions comes into being when an order that has been placed with ES is accepted by ES. An order placed with ES is considered as accepted by ES when (a) ES proceeds to fulfil that order, without need for any written confirmation from ES or (b) ES accept the order in writing.

1.2 All reports will be issued with the legal name i.e. Spectro Analytical Labs Pvt Ltd, (formerly Spectro analytical labs Ltd)

1.3 These Terms and Conditions supersede and replace all prior verbal or written price quotations and agreements between the parties and, unless specifically indicated otherwise therein, take precedence over all conflicting or inconsistent provisions of subsequent written agreements between the parties. No officer (other than the Managing Director of ES), employee, agent or subcontractor of ES has the authority to alter or waive any of these Terms and Conditions or to make any representation which conflicts with or purports to override any of these Terms and Conditions; and no such alteration, waiver or representation shall be binding upon ES, unless it is in writing and signed by the Managing Director of ES.

2. Placement of Order

2.1 A customer order will be valid only if it is sent by mail or fax or other electronic message on letterhead of the customer or by using ES-approved sample Test request form or electronic order forms and the commercial aspects of the order which are not specifically set out in these Terms and Conditions (including price, estimated turnaround times and delivery date) must be agreed at the time of the order. The customer must confirm in writing orders given by telephone immediately after they are made and will be deemed to have placed an order if the customer sends samples to ES quoting the customer reference. ES is not obligated to start any work unless the order is clear and it has been provided all required information.

2.2 Unless specifically accepted in writing and signed by the Managing Director of ES, any terms proposed or submitted by a customer at any time (including, but not limited to, terms or provisions in the customer's purchase order-instructions or other document) which differ from these Terms and Conditions are rejected as a material alteration of these Terms and Conditions and shall be of no force or effect. Furthermore, special terms or conditions of prior orders, including special pricing, will not automatically apply to subsequent orders. Each order accepted by ES will be treated as a separate contract between ES and the customer.

2.3 Any logistic service off-site of the laboratory must be paid in full, unless it has been cancelled or modified by the customer at least forty eight hours (48) in advance for collection services, ninety six (96) hours in advance for sampling services and one (1) week in advance for auditing services.

3. Price and Terms of Payment

3.1 If the acknowledgment of an order does not state otherwise, ES' prices apply "ex works", excluding packaging, which is charged separately. Any additional cost or disbursement (e.g. incurred by ES in connection with the order) must be paid by the customer. 3.2 Prices are exclusive of all applicable taxes (GST or Other taxes) and are based on tariffs in force at the day of the remittance of the order to the customer. Applicable taxes are those in force at the date of invoicing.

3.3 Unless specifically agreed otherwise by ES in its acceptance of an order, payment of all invoices is due strictly within 30 days of the invoice date. Any dispute about invoices must be raised within 30 days of the invoice date. The challenge of any test result will not entitle a customer to defer payment. Any invoice which remains outstanding after due date, may be additionally charged with an administrative penalty of Rupees Two hundred (Rs.200) and may carry interest as per MSMED Act.

3.4 Invoices are subject to a minimum invoice charge of Rupees Two Hundred fifty (Rs.250).

3.5 The invoice settlement method is Cheque, bank transfer or direct debit. Any other method of payment must receive prior agreement from ES. The customer undertakes to provide bank account details.

3.6 ES is entitled to require payment of up to 100% of the quoted order price as a condition of acceptance.

4. Duties of Customer in Delivering Samples or Materials

4.1 The samples or materials must be in a condition that makes the preparation of reports/analyses or the production of ordered products possible without difficulty. ES is entitled to conduct an initial examination of the samples or materials to check their condition before processing the samples, drawing up a report or using them in production. The customer shall bear the costs of this initial examination, if the samples or materials do not comply with the requirements described in this clause 4.1. If the result of the initial examination is that an analysis or production is impossible or is possible only under more difficult conditions than originally anticipated (e.g. for example, because the samples or materials have been interspersed with foreign materials or substances that were not reported by the customer or are degraded) ES shall be entitled to terminate or interrupt the order and the customer shall bear costs incurred by ES to that point.

4.2 The customer must ensure, and hereby warrants, that no sample poses any danger, including on its site, during transportation, in the laboratory or otherwise to ES premises, instruments, personnel or representatives. It is the customer's responsibility to insure compliance with hazardous waste regulations, including regarding information, transportation and disposal and to inform ES personnel or representatives about sample health and safety concerns, including any known or suspected toxic or other contaminant that may be present in the sample and its likely level of contamination as well as the risks to ES premises, instruments, personnel and representatives related to the contamination. The customer shall be responsible for, and indemnifies ES against, all costs, damages, liabilities and injuries that may be caused to or incurred by ES or its personnel or representatives including on the sampling site, during the transportation or in the laboratory by the customer's sample or by sampling site conditions. The customer shall bear all extraordinary costs for adequate disposal of hazardous waste resulting from the sample, whether or not described as hazardous waste. At ES' request, the customer must provide ES with the exact composition of the samples.

5. Property Rights on Sample Material and Sample Storage

5.1 All samples become the property of ES to the extent necessary for the performance of the order. Unless the customer pays for storage, ES shall have no obligation or liability for samples sent to ES for storage, including samples requiring refrigeration however ES retains the sample for three months. If the customer pays for further storage, ES will take commercially reasonable steps to store the samples, according to professional practice.

5.2 Sample will be destroyed after one month from the date of release of test report unless specified by regulatory or ES and the customer have agreed in writing on the terms of ES' retention of the sample. ES also can dispose of or destroy the samples after the agreed upon retention period, without further notice and at customer's cost, should an extra cost for ES arise to comply with any regulation (for example, with respect to disposal of hazardous waste). If the customer requests the return of unneeded sample material, ES will return them to the customer, at the customer's cost and risk.

5.3 The sample description is not verified in all cases and is given "as described by customer". Sample not drawn by us and analysis conducted on "as received bases". Unless specified otherwise

5.4 Lab retain the copy of report for 2 years from the date of release of test report or instructed by customer or any regulatory requirement and authenticity of test report can be verified within 2 years by sending mail at verification@spectrolab.in

6. Delivery Dates, Turnaround Time

6.1 Delivery dates and turnaround times are estimates and do not constitute a commitment by ES. Nevertheless, ES shall make commercially reasonable efforts to meet its estimated deadlines.

6.2 Results are generally sent by email and/or by mail, or via other electronic means, to the attention of the persons indicated by the customer in the order, promptly after the analysis is completed.

7. Transfer of Property

7.1 Title in any analysis results, products, equipment, software or similar supplied by ES to the customer will remain with ES until all invoices in respect thereof have been paid by the customer in full, and until such full payment, the customer shall have no property rights or other rights to use them. In addition, even if ES has accepted and begun to fulfil an order, ES has the right at any time stop processing that order and to stop doing any work for a customer if that customer is late in paying any amount due to ES, whether for that or any other order.

7.2 Even after payment in full by the customer, ES shall retain the right to store, use and publish all analysis results in an anonymous form which does not identify the customer.

8. Limited Warranties and responsibilities

8.1 Orders are handled in the conditions available to ES in accordance with the current state of technology and methods developed and generally applied by ES and the results may not always be 100% exact and/ or relevant. Analyses, interpretations, assessments, consulting work and conclusions are prepared with a commercially reasonable degree of care but ES cannot guarantee that these will always be correct or absolute. This limited warranty expires three months after the delivery date of the samples, if the acknowledgement of the order does not specifically state otherwise. In all cases, the customer must independently verify the validity of any results, interpretations, assessments and conclusions supplied by ES, if it wishes to rely on the same in respect of matters of importance and shall do so at its own risk.

8.2 Each testing report relates exclusively to the sample analyzed by ES. If ES has not expressly been mandated and paid for the definition of the sampling plan (including which samples of which raw materials and finished products and at which frequent should be analyzed) and the definition of the precise range of analysis to be performed or if the customer has not followed ES recommendations, ES shall not bear any responsibility if the sampling plan and/or the range of analysis to be performed prove to be insufficient or inappropriate.

8.3 The customer is responsible for the proper delivery of samples sent to ES for examination/analyses or materials sent for production. Unless otherwise specifically agreed in writing by ES, ES accepts no responsibility for any loss or damage, which may occur to any sample in transit or to any facility or site where logistics services are being delivered. The customer will at all times be liable for the security, packaging and insurance of the sample from its dispatch until it is delivered to the offices or the laboratories of ES. ES will use commercially reasonable care in handling and storing samples, but ES shall not be held responsible for any loss or destruction of samples even after their receipt at its laboratories.

8.4 The customer warrants and represents to ES that all samples sent to ES for analysis are safe and in a stable condition and undertakes to indemnify ES for any losses, injuries, claims and costs which ES, or its personnel, may suffer as a result of any sample not being in a safe or stable condition, notwithstanding that the customer may have given an indication on the sample or any order form of any perceived problem with the sample. The customer must always inform ES in writing prior to shipment and label the packaging, samples and/ or containers appropriately, if the samples are dangerous or otherwise of a hazardous nature.

8.5 Unless explicitly agreed in writing by all parties, the contractual relationship shall be exclusively between the customer and ES. There shall be no third party beneficiary or collateral warranty relating to any order and the customer shall indemnify and hold ES harmless from and against any and all third party claims in any way relating to the customer or to the order by the customer.

8.6 The result given on the test report refer only to tested samples and application parameters.

8.7 Any complaints about the test report should be communicated in writing within 7 days of the issue of the report

9. Limitation of Liability

9.1 Except to the extent that such limitations are not permitted or void under applicable law: (a) ES (together with its workers, office clerks, employees, representatives, managers, officers, directors, agents and consultants and all ES partners and affiliates, the "ES Indemnifying Parties") shall be liable only for the proven direct and immediate damage caused by the ES Indemnifying Party's willful misconduct in connection with the performance of an order and then, only if ES has received written notice thereof not later than six (6) months after the date of the customer's knowledge of the relevant claim (unless any longer period is prescribed under applicable law and cannot be contractually limited), and (b) in all cases (whether arising under contract, tort, negligence, strict liability, through indemnification or otherwise), the ES Indemnifying Parties' liability per claim or series of related claims, and the customer's exclusive remedy, with respect to ES' services which fall under these Terms and Conditions, shall be limited to the lesser of: (i) the direct and immediate loss or damage caused by the ES Indemnifying Party's willful misconduct in connection with the performance of the order and (ii) invoice amount ES actually received from the customer in relation to the order subject to maximum of Rs. 1 lac (Rupees One Lac)

9.2 The ES Indemnifying Parties shall not be liable for any indirect, direct or consequential loss or damage (including, but not limited to, loss of business, profits, goodwill, and business opportunities or similar) incurred by the customer or by any third party.

9.3 It is a condition of ES' acceptance of an order that the customer indemnifies the ES Indemnifying Parties for any losses, injuries, claims and costs which the ES Indemnifying Parties may suffer as a result of arising from or in any way connected with its role under or services or products or software provided pursuant to these Terms and Conditions, except to the extent that the ES Indemnifying Parties are required to bear them according to these Terms and Conditions, and by placing an order the customer agrees to provide that indemnification.

10. Repeated Analysis

Objections to test results can be made within thirty (30) days after the customer receives the results. However, unless it would appear that the results of the repeated analysis do not match those of the first one, the customer shall bear the costs of the repeat testing or review. Furthermore, a repeated analysis will be possible only if ES has a sufficient amount of the original sample on hand when it receives the customer's objection. Otherwise the customer will be required to pay all costs, including sampling, transportation, analytical and disposal costs for the repeat analysis. No retest request will be accepted after return of tested sample.

11. Force Majeure

ES cannot be held liable for delays, errors, damages or other problems caused by events or circumstances which are unforeseen or beyond ES' reasonable control, or which result from compliance with governmental requests, laws and regulations.

12. Confidentiality & Processing of Customer Data

12.1 ES shall be entitled to save and process personal or commercial data received from the customer in any way, no matter whether such data stem from the customer directly or from a third party and shall use commercially reasonable efforts to keep such data confidential, in compliance with applicable law.

12.2 ES shall use commercially reasonable efforts to keep all analysis results and service reports confidential, subject to ES' rights set forth in clause 7.2 and the right to use them in order to demonstrate its entitlement to payment for services rendered.

12.3 Analysis results are prepared and supplied exclusively for the use of the customer and should not be divulged to a third party for any purposes without the prior written agreement of ES. In addition, the customer is required to maintain secrecy concerning all services provided by ES and their results as well as the composition of products and software delivered by ES. Analysis results are not to be publicly disclosed or exploited without the prior written consent of ES. Even if such written consent is given by ES, the customer (a) remains responsible for any consequences due to the divulgence of such results to a third party and any reliance of such third party on such results and (b) hereby agrees to indemnify the ES Indemnified Parties against any liability which the ES Indemnified Parties may incur as a result of such divulgence or any such third party reliance.

12.4 Test report certificate shall not be reproduced except in full, without written permission of laboratory

12.5 Test report certificate shall not be reproduced wholly or in parts and cannot be used as an evidence in a court of law and shall not be used in advertising media, without written permission of laboratory

13. Disclaimer and Miscellaneous

13.1 ALL TERMS, CONDITIONS AND WARRANTIES (INCLUDING ANY IMPLIED WARRANTY AS TO MERCHANTABILITY QUALITY OR FITNESS FOR A PARTICULAR PURPOSE) AS TO THE MANNER, QUALITY AND TIMING OF THE TESTING SERVICE AND RESULTS, EQUIPMENT, PRODUCTS OR SOFTWARE SUPPLIED BY ES ARE EXCLUDED TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW. THE WARRANTIES, OBLIGATIONS AND LIABILITIES OF ES CONTAINED IN THESE TERMS AND CONDITIONS ARE EXCLUSIVE.

13.2 These Terms and Conditions may be modified in writing from time to time by ES and orders will be governed by the most recent version of these Terms and Conditions that is in effect at the time ES accepts the order.

13.3 Should a court waive, limit or hold to be invalid, illegal or unenforceable any part of these Terms and Conditions, all other parts shall still apply to the greatest extent possible.

13.4 Failure by either ES or the customer to exercise the rights under these Terms and Conditions shall not constitute a waiver or forfeiture of such rights.

14. Governing Law Jurisdiction

14.1 The construction, validity and performance of these Terms and Conditions shall be governed by the laws and the commercial courts of Delhi Jurisdiction, Delhi State, India in which the registered office of the ES company which accepted the order in question is located (including in cases involving multiple counsels for the defense or third-party respondents), which shall have exclusive jurisdiction.

* End of Report *

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN: U74220DL1998PTC092698

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E-41, Okhla Industrial Area, Phase-II, New Delhi-110020 (India)

+91-11-40522000, 41611000 | www.spectro.in | care@spectro.in

ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Laboratory

TEST REPORT

Test Report Issued To:

ENCRAFT INDIA PVT. LTD.

KHASRA NO. 1001, JAMANPUR, CENTRAL HOPE TOWN,
SELAQUI INDUSTRIAL AREA,
DEHRADUN, UTTARAKHAND - 248197,
INDIA

Test Report No: D240117041/D240117041-31
Issue Date: 23-Jan-2024
Sample Booking/Receipt Date: 17-Jan-2024
Test Start Date: 18-Jan-2024
Test Completion Date: 23-Jan-2024



Customer Relationship Number 54414

Sample Description :

EN-03 Compound -Golden Oak



Customer Reference No :

Kind Attention : MR. JOGENDRA SINGH

E-Mail: JOGENDRA.SINGH@ENCRAFT.IN

Contact No: 7060111090

Sample Condition : Good

Sample Quantity (Approx) : 1 - Nos

Sample Size (Approx) : NA - mm

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED



Digitally signed by
Praveen Singh
Date: 2024.01.23
15:10:55 +05:30

Report Issued By

ULR-TC1024524000001137F

Authenticity of report can be verified by mail at verification@spectrolab.in
This is a Digitally Signed Report and hence doesn't require Physical Signature.

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TEST REPORT

Discipline	Chemical
Group	Hazardous & restricted chemicals
Product	Polymers of Electro technical Products

ROHS-3 ANALYSIS TEST

Sample ID : D240117041-3

Revision Summary: : Picture updated on the report.

Test Requested : ROHS-3 analysis testing As per DIRECTIVE 2015/863

Test Method &Results : Please refer to next page

S. No	Restricted substances (As per DIRECTIVE 2015/863 in Article 4 (ANNEX-II))	Maximum Concentration Level
1	Lead (Pb)	0.1% by weight/ (1,000 mg/kg)
2	Cadmium (as Cd)	0.01% by weight/ (1,00 mg/kg)
3	Mercury (as Hg)	0.1% by weight/ (1,000 mg/kg)
4	Hexavalent Chromium (Cr+6)	0.1% by weight/ (1,000 mg/kg)
5	Polybrominated Biphenyl (PBB) flame retardants	0.1% by weight/ (1,000 mg/kg)
6	Polybrominated diphenyl ether (PBDE) flame retardants	0.1% by weight/ (1,000 mg/kg)
7.	Di-n-butyl Phthalate (DBP)	0.1% by weight/ (1,000 mg/kg)
8.	Bis (2-ethylhexyl) Phthalate (DEHP)	0.1% by weight/ (1,000 mg/kg)
9.	Di-isobutyl Phthalate (DIBP)	0.1% by weight/ (1,000 mg/kg)
10.	Benzyl butyl Phthalate (BBP)	0.1% by weight/ (1,000 mg/kg)

Result Summary:

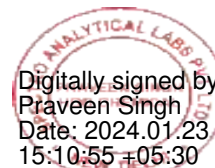
Test Requested	Comment
ROHS Test as per European Directive 2015/863 Annex II (RoHS); recasting 2011/65/EU – Lead, Cadmium, Mercury, Hexavalent Chromium, Polybrominated biphenyls (PBB) & Polybrominated diphenyl ether (PBDE), Di-n-butyl Phthalate (DBP), Bis (2-ethylhexyl) Phthalate (DEHP), Di-isobutyl Phthalate (DIBP), Benzyl butyl Phthalate (BBP)	PASS



PRAVEEN SINGH
Reviewed By



TC-10245


ULR-TC1024524000001137F


Authorised Signatory

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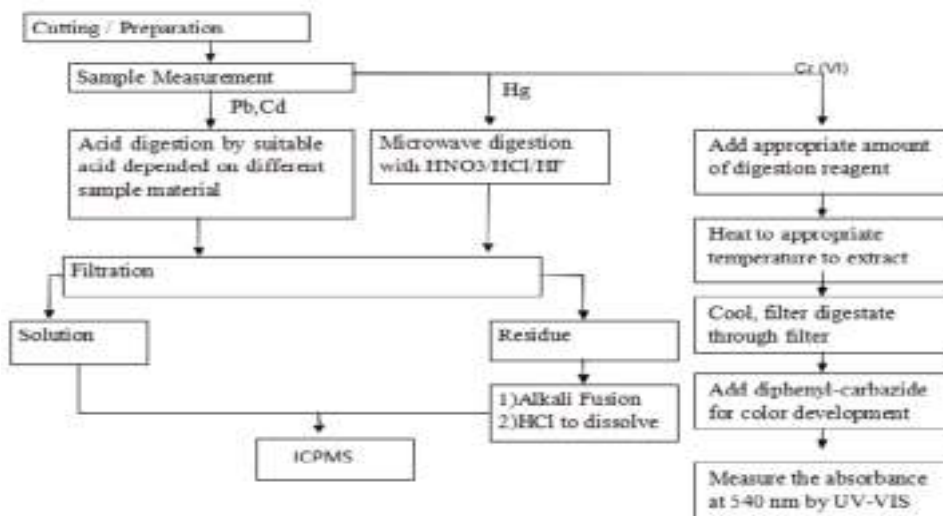
TEST REPORT

Testing Analysis Result					
Testing Parameters	Unit	Test Method	Results	MQL	RoHS Limit
Lead (Pb)	mg/kg	With reference to IEC 62321-5:2013. Analysis was performed by ICP-MS	7	5	1000
Cadmium (Cd)	mg/kg	With reference IEC 62321-5:2013. Analysis was performed by ICP-MS	BQL	5	100
Mercury (Hg)	mg/kg	With reference IEC 62321-4:2013. Analysis was performed by ICP-MS	BQL	5	1000
Hexavalent Chromium (Cr(VI))	mg/kg	With reference to IEC 62321-7-2:2017. Analysis was performed by UV/Vis Spectrometry	BQL	5	1000

Remark: mg/kg = ppm, 0.1wt% = 1000ppm, BQL= Below Quantification limit, MQL = Method Quantification Limit.

Testing Analysis Flow Chart

Flow of IEC 62321 (Pb, Cd, Hg & Cr⁶⁺)



Remarks: Sample received was totally dissolved by preconditioning method. (excluded Cr(VI) method)

PRAVEEN SINGH
 Reviewed By



TC-10245

ULR-TC102452400001137F



Digitally signed by
 Praveen Singh
 Date: 2024.01.23
 15:10:55 +05:30

Authorised Signatory

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TEST REPORT

ID –D240117041-3

TEST RESULTS

Testing Parameters	CAS No.	Unit	Test Method	Results	MQL	ROHS Limit
<u>Polybrominated Biphenyls (PBBs)</u>			With reference to IEC62321-6:2015 Analysis was performed by GC-MS		-	1000
Monobromobiphenyl	2052-07-5	mg/kg		BQL	10	-
Dibromobiphenyl	13029-09-9	mg/kg		BQL	10	-
Tribromobiphenyl	115245-07-03	mg/kg		BQL	10	-
Tetrabromobiphenyl	16400-50-3	mg/kg		BQL	10	-
Pentabromobiphenyl	59080-39-6	mg/kg		BQL	10	-
Hexabromobiphenyl	60044-26-0	mg/kg		BQL	10	-
Heptabromobiphenyl	88700-06-5	mg/kg		BQL	10	-
Octabromobiphenyl	67889-00-3	mg/kg		BQL	10	-
Nonabromobiphenyl	69278-62-2	mg/kg		BQL	10	-
Decabromobiphenyl	13654-09-6	mg/kg		BQL	10	-
<u>Polybrominated Diphenylethers (PBDEs)</u>					-	1000
Monobromodiphenyl ether	6876-00-2	mg/kg		BQL	10	-
Dibromodiphenyl ether	83694-71-7	mg/kg		BQL	10	-
Tribromodiphenyl ether	41318-75-6	mg/kg	BQL	10	-	
Tetrabromodiphenyl ether	189084-61-5	mg/kg	BQL	10	-	
Pentabromodiphenyl ether	182346-21-0	mg/kg	BQL	10	-	
Hexabromodiphenyl ether	182677-30-1	mg/kg	BQL	10	-	
Heptabromodiphenyl ether	189084-68-2	mg/kg	BQL	10	-	
Octabromodiphenyl ether	446255-56-7	mg/kg	BQL	10	-	
Nonabromodiphenyl ether	63387-28-0	mg/kg	BQL	10	-	
Decabromodiphenyl ether *	1163-19-15	mg/kg	BQL	10	-	
<u>Phthalates</u>			With reference to IEC62321-8:2017 Analysis was performed by GC-MS	-	-	-
Di-isobutyl Phthalate (DIBP)	84-69-5	mg/kg		BQL	20	1000
Di-n-butyl Phthalate (DBP)	84-74-2	mg/kg		BQL	20	1000
Benzyl butyl Phthalate (BBP)	85-68-7	mg/kg		BQL	20	1000
Bis (2-ethylhexyl) Phthalate (DEHP)	117-81-7	mg/kg		BQL	20	1000

DILEEP KUMAR OJHA
Reviewed By



TC-10245



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TEST REPORT

Note : (1) mg/kg = ppm ; 0.1wt% = 1000 ppm

(2) ND = Not Detected

(3) MQL = Method Quantification Limit

(4) BQL= Below Quantification Limit

(5) ppm = part per million

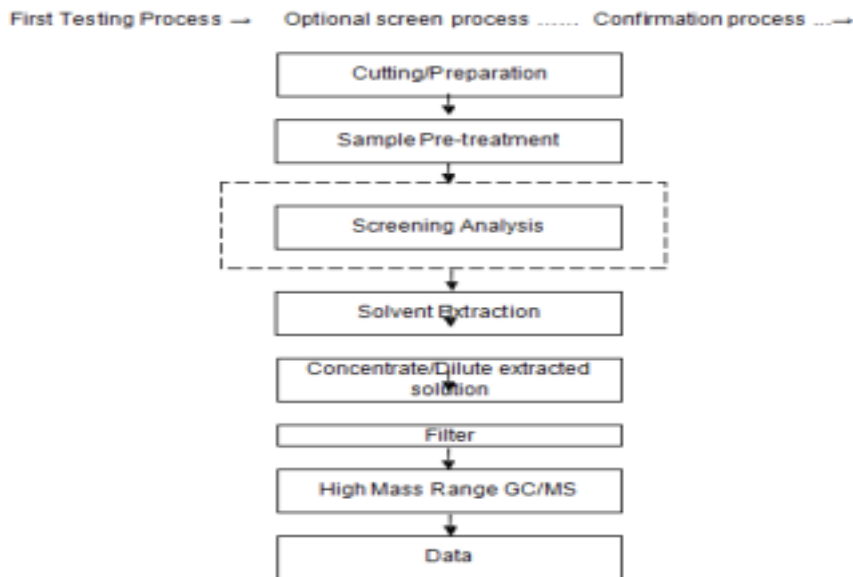
(6) mg/kg = Milligram/kilogram

(7) '<' = Less than , '>' = Greater than

(8) * = The exemption of DecaBDE in polymeric application according 2005/717/EC was overruled by the European Court of Justice by its decision of 01.04.2008. Subsequently DecaBDE will be included in the sum of PBDE after 01.07.2008

Testing Analysis Flow Chart

Process Flow of PBB & PBDE by GC/MS (IEC62321-6)



Dileep ojha
DILEEP KUMAR OJHA
 Reviewed By



TC-10245



ULR-TC102452400001137F



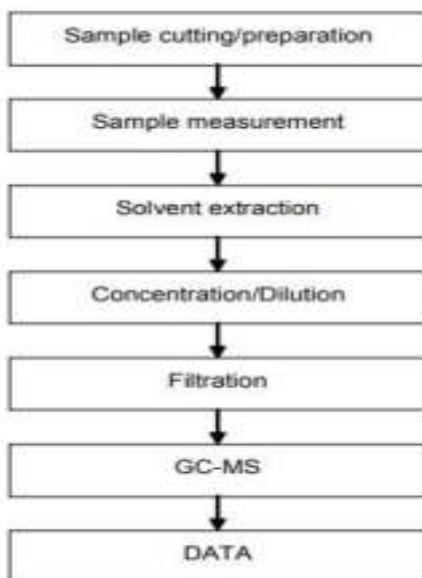
Authorised Signatory

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN : U74220DL1998PTC092698
 (part of Eurofins Scientific SE)

E-41, Okhla Industrial Area, Phase-II, New Delhi-110020 (India)
 +91-11-40522000, 41611000 | www.spectro.in | care@spectro.in

TEST REPORT

Process Flow of Phthalates by GC/MS(IEC62321-8)



Dileep ojha
DILEEP KUMAR OJHA
Reviewed By



TC-10245



ULR-TC102452400001137F



Authorised Signatory

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN : U74220DL1998PTC092698
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General Terms & Conditions of Sale

Spectro Analytical Labs Pvt Ltd, (formerly Spectro analytical labs Ltd) undertakes to provide service to its customer subject to the terms & conditions mentioned here-

1. Area of Application

1.1 All Orders accepted by Spectro Analytical Labs Pvt Ltd, (formerly Spectro analytical labs Ltd) (Collectively "ES") will be governed by these General Terms and Conditions of Sales (the "Terms and Conditions"), including orders placed by telephone which have not been confirmed in writing and orders made by delivery of samples. A contract with these Terms and Conditions comes into being when an order that has been placed with ES is accepted by ES. An order placed with ES is considered as accepted by ES when (a) ES proceeds to fulfil that order, without need for any written confirmation from ES or (b) ES accept the order in writing.

1.2 All reports will be issued with the legal name i.e. Spectro Analytical Labs Pvt Ltd, (formerly Spectro analytical labs Ltd)

1.3 These Terms and Conditions supersede and replace all prior verbal or written price quotations and agreements between the parties and, unless specifically indicated otherwise therein, take precedence over all conflicting or inconsistent provisions of subsequent written agreements between the parties. No officer (other than the Managing Director of ES), employee, agent or subcontractor of ES has the authority to alter or waive any of these Terms and Conditions or to make any representation which conflicts with or purports to override any of these Terms and Conditions; and no such alteration, waiver or representation shall be binding upon ES, unless it is in writing and signed by the Managing Director of ES.

2. Placement of Order

2.1 A customer order will be valid only if it is sent by mail or fax or other electronic message on letterhead of the customer or by using ES-approved sample Test request form or electronic order forms and the commercial aspects of the order which are not specifically set out in these Terms and Conditions (including price, estimated turnaround times and delivery date) must be agreed at the time of the order. The customer must confirm in writing orders given by telephone immediately after they are made and will be deemed to have placed an order if the customer sends samples to ES quoting the customer reference. ES is not obligated to start any work unless the order is clear and it has been provided all required information.

2.2 Unless specifically accepted in writing and signed by the Managing Director of ES, any terms proposed or submitted by a customer at any time (including, but not limited to, terms or provisions in the customer's purchase order-instructions or other document) which differ from these Terms and Conditions are rejected as a material alteration of these Terms and Conditions and shall be of no force or effect. Furthermore, special terms or conditions of prior orders, including special pricing, will not automatically apply to subsequent orders. Each order accepted by ES will be treated as a separate contract between ES and the customer.

2.3 Any logistic service off-site of the laboratory must be paid in full, unless it has been cancelled or modified by the customer at least forty eight hours (48) in advance for collection services, ninety six (96) hours in advance for sampling services and one (1) week in advance for auditing services.

3. Price and Terms of Payment

3.1 If the acknowledgment of an order does not state otherwise, ES' prices apply "ex works", excluding packaging, which is charged separately. Any additional cost or disbursement (e.g. incurred by ES in connection with the order) must be paid by the customer. 3.2 Prices are exclusive of all applicable taxes (GST or Other taxes) and are based on tariffs in force at the day of the remittance of the order to the customer. Applicable taxes are those in force at the date of invoicing.

3.3 Unless specifically agreed otherwise by ES in its acceptance of an order, payment of all invoices is due strictly within 30 days of the invoice date. Any dispute about invoices must be raised within 30 days of the invoice date. The challenge of any test result will not entitle a customer to defer payment. Any invoice which remains outstanding after due date, may be additionally charged with an administrative penalty of Rupees Two hundred (Rs.200) and may carry interest as per MSMED Act.

3.4 Invoices are subject to a minimum invoice charge of Rupees Two Hundred fifty (Rs.250).

3.5 The invoice settlement method is Cheque, bank transfer or direct debit. Any other method of payment must receive prior agreement from ES. The customer undertakes to provide bank account details.

3.6 ES is entitled to require payment of up to 100% of the quoted order price as a condition of acceptance.

4. Duties of Customer in Delivering Samples or Materials

4.1 The samples or materials must be in a condition that makes the preparation of reports/analyses or the production of ordered products possible without difficulty. ES is entitled to conduct an initial examination of the samples or materials to check their condition before processing the samples, drawing up a report or using them in production. The customer shall bear the costs of this initial examination, if the samples or materials do not comply with the requirements described in this clause 4.1. If the result of the initial examination is that an analysis or production is impossible or is possible only under more difficult conditions than originally anticipated (e.g. for example, because the samples or materials have been interspersed with foreign materials or substances that were not reported by the customer or are degraded) ES shall be entitled to terminate or interrupt the order and the customer shall bear costs incurred by ES to that point.

4.2 The customer must ensure, and hereby warrants, that no sample poses any danger, including on its site, during transportation, in the laboratory or otherwise to ES premises, instruments, personnel or representatives. It is the customer's responsibility to insure compliance with hazardous waste regulations, including regarding information, transportation and disposal and to inform ES personnel or representatives about sample health and safety concerns, including any known or suspected toxic or other contaminant that may be present in the sample and its likely level of contamination as well as the risks to ES premises, instruments, personnel and representatives related to the contamination. The customer shall be responsible for, and indemnifies ES against, all costs, damages, liabilities and injuries that may be caused to or incurred by ES or its personnel or representatives including on the sampling site, during the transportation or in the laboratory by the customer's sample or by sampling site conditions. The customer shall bear all extraordinary costs for adequate disposal of hazardous waste resulting from the sample, whether or not described as hazardous waste. At ES' request, the customer must provide ES with the exact composition of the samples.

5. Property Rights on Sample Material and Sample Storage

5.1 All samples become the property of ES to the extent necessary for the performance of the order. Unless the customer pays for storage, ES shall have no obligation or liability for samples sent to ES for storage, including samples requiring refrigeration however ES retains the sample for three months. If the customer pays for further storage, ES will take commercially reasonable steps to store the samples, according to professional practice.

5.2 Sample will be destroyed after one month from the date of release of test report unless specified by regulatory or ES and the customer have agreed in writing on the terms of ES' retention of the sample. ES also can dispose of or destroy the samples after the agreed upon retention period, without further notice and at customer's cost, should an extra cost for ES arise to comply with any regulation (for example, with respect to disposal of hazardous waste). If the customer requests the return of unneeded sample material, ES will return them to the customer, at the customer's cost and risk.

5.3 The sample description is not verified in all cases and is given "as described by customer". Sample not drawn by us and analysis conducted on "as received bases". Unless specified otherwise

5.4 Lab retain the copy of report for 2 years from the date of release of test report or instructed by customer or any regulatory requirement and authenticity of test report can be verified within 2 years by sending mail at verification@spectrolab.in

6. Delivery Dates, Turnaround Time

6.1 Delivery dates and turnaround times are estimates and do not constitute a commitment by ES. Nevertheless, ES shall make commercially reasonable efforts to meet its estimated deadlines.

6.2 Results are generally sent by email and/or by mail, or via other electronic means, to the attention of the persons indicated by the customer in the order, promptly after the analysis is completed.

7. Transfer of Property

7.1 Title in any analysis results, products, equipment, software or similar supplied by ES to the customer will remain with ES until all invoices in respect thereof have been paid by the customer in full, and until such full payment, the customer shall have no property rights or other rights to use them. In addition, even if ES has accepted and begun to fulfil an order, ES has the right at any time stop processing that order and to stop doing any work for a customer if that customer is late in paying any amount due to ES, whether for that or any other order.

7.2 Even after payment in full by the customer, ES shall retain the right to store, use and publish all analysis results in an anonymous form which does not identify the customer.

8. Limited Warranties and responsibilities

8.1 Orders are handled in the conditions available to ES in accordance with the current state of technology and methods developed and generally applied by ES and the results may not always be 100% exact and/ or relevant. Analyses, interpretations, assessments, consulting work and conclusions are prepared with a commercially reasonable degree of care but ES cannot guarantee that these will always be correct or absolute. This limited warranty expires three months after the delivery date of the samples, if the acknowledgement of the order does not specifically state otherwise. In all cases, the customer must independently verify the validity of any results, interpretations, assessments and conclusions supplied by ES, if it wishes to rely on the same in respect of matters of importance and shall do so at its own risk.

8.2 Each testing report relates exclusively to the sample analyzed by ES. If ES has not expressly been mandated and paid for the definition of the sampling plan (including which samples of which raw materials and finished products and at which frequent should be analyzed) and the definition of the precise range of analysis to be performed or if the customer has not followed ES recommendations, ES shall not bear any responsibility if the sampling plan and/or the range of analysis to be performed prove to be insufficient or inappropriate.

8.3 The customer is responsible for the proper delivery of samples sent to ES for examination/analyses or materials sent for production. Unless otherwise specifically agreed in writing by ES, ES accepts no responsibility for any loss or damage, which may occur to any sample in transit or to any facility or site where logistics services are being delivered. The customer will at all times be liable for the security, packaging and insurance of the sample from its dispatch until it is delivered to the offices or the laboratories of ES. ES will use commercially reasonable care in handling and storing samples, but ES shall not be held responsible for any loss or destruction of samples even after their receipt at its laboratories.

8.4 The customer warrants and represents to ES that all samples sent to ES for analysis are safe and in a stable condition and undertakes to indemnify ES for any losses, injuries, claims and costs which ES, or its personnel, may suffer as a result of any sample not being in a safe or stable condition, notwithstanding that the customer may have given an indication on the sample or any order form of any perceived problem with the sample. The customer must always inform ES in writing prior to shipment and label the packaging, samples and/ or containers appropriately, if the samples are dangerous or otherwise of a hazardous nature.

8.5 Unless explicitly agreed in writing by all parties, the contractual relationship shall be exclusively between the customer and ES. There shall be no third party beneficiary or collateral warranty relating to any order and the customer shall indemnify and hold ES harmless from and against any and all third party claims in any way relating to the customer or to the order by the customer.

8.6 The result given on the test report refer only to tested samples and application parameters.

8.7 Any complaints about the test report should be communicated in writing within 7 days of the issue of the report

9. Limitation of Liability

9.1 Except to the extent that such limitations are not permitted or void under applicable law: (a) ES (together with its workers, office clerks, employees, representatives, managers, officers, directors, agents and consultants and all ES partners and affiliates, the "ES Indemnifying Parties") shall be liable only for the proven direct and immediate damage caused by the ES Indemnifying Party's willful misconduct in connection with the performance of an order and then, only if ES has received written notice thereof not later than six (6) months after the date of the customer's knowledge of the relevant claim (unless any longer period is prescribed under applicable law and cannot be contractually limited), and (b) in all cases (whether arising under contract, tort, negligence, strict liability, through indemnification or otherwise), the ES Indemnifying Parties' liability per claim or series of related claims, and the customer's exclusive remedy, with respect to ES' services which fall under these Terms and Conditions, shall be limited to the lesser of: (i) the direct and immediate loss or damage caused by the ES Indemnifying Party's willful misconduct in connection with the performance of the order and (ii) invoice amount ES actually received from the customer in relation to the order subject to maximum of Rs. 1 lac (Rupees One Lac)

9.2 The ES Indemnifying Parties shall not be liable for any indirect, direct or consequential loss or damage (including, but not limited to, loss of business, profits, goodwill, and business opportunities or similar) incurred by the customer or by any third party.

9.3 It is a condition of ES' acceptance of an order that the customer indemnifies the ES Indemnifying Parties for any losses, injuries, claims and costs which the ES Indemnifying Parties may suffer as a result of arising from or in any way connected with its role under or services or products or software provided pursuant to these Terms and Conditions, except to the extent that the ES Indemnifying Parties are required to bear them according to these Terms and Conditions, and by placing an order the customer agrees to provide that indemnification.

10. Repeated Analysis

Objections to test results can be made within thirty (30) days after the customer receives the results. However, unless it would appear that the results of the repeated analysis do not match those of the first one, the customer shall bear the costs of the repeat testing or review. Furthermore, a repeated analysis will be possible only if ES has a sufficient amount of the original sample on hand when it receives the customer's objection. Otherwise the customer will be required to pay all costs, including sampling, transportation, analytical and disposal costs for the repeat analysis. No retest request will be accepted after return of tested sample.

11. Force Majeure

ES cannot be held liable for delays, errors, damages or other problems caused by events or circumstances which are unforeseen or beyond ES' reasonable control, or which result from compliance with governmental requests, laws and regulations.

12. Confidentiality & Processing of Customer Data

12.1 ES shall be entitled to save and process personal or commercial data received from the customer in any way, no matter whether such data stem from the customer directly or from a third party and shall use commercially reasonable efforts to keep such data confidential, in compliance with applicable law.

12.2 ES shall use commercially reasonable efforts to keep all analysis results and service reports confidential, subject to ES' rights set forth in clause 7.2 and the right to use them in order to demonstrate its entitlement to payment for services rendered.

12.3 Analysis results are prepared and supplied exclusively for the use of the customer and should not be divulged to a third party for any purposes without the prior written agreement of ES. In addition, the customer is required to maintain secrecy concerning all services provided by ES and their results as well as the composition of products and software delivered by ES. Analysis results are not to be publicly disclosed or exploited without the prior written consent of ES. Even if such written consent is given by ES, the customer (a) remains responsible for any consequences due to the divulgence of such results to a third party and any reliance of such third party on such results and (b) hereby agrees to indemnify the ES Indemnified Parties against any liability which the ES Indemnified Parties may incur as a result of such divulgence or any such third party reliance.

12.4 Test report certificate shall not be reproduced except in full, without written permission of laboratory

12.5 Test report certificate shall not be reproduced wholly or in parts and cannot be used as an evidence in a court of law and shall not be used in advertising media, without written permission of laboratory

13. Disclaimer and Miscellaneous

13.1 ALL TERMS, CONDITIONS AND WARRANTIES (INCLUDING ANY IMPLIED WARRANTY AS TO MERCHANTABILITY QUALITY OR FITNESS FOR A PARTICULAR PURPOSE) AS TO THE MANNER, QUALITY AND TIMING OF THE TESTING SERVICE AND RESULTS, EQUIPMENT, PRODUCTS OR SOFTWARE SUPPLIED BY ES ARE EXCLUDED TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW. THE WARRANTIES, OBLIGATIONS AND LIABILITIES OF ES CONTAINED IN THESE TERMS AND CONDITIONS ARE EXCLUSIVE.

13.2 These Terms and Conditions may be modified in writing from time to time by ES and orders will be governed by the most recent version of these Terms and Conditions that is in effect at the time ES accepts the order.

13.3 Should a court waive, limit or hold to be invalid, illegal or unenforceable any part of these Terms and Conditions, all other parts shall still apply to the greatest extent possible.

13.4 Failure by either ES or the customer to exercise the rights under these Terms and Conditions shall not constitute a waiver or forfeiture of such rights.

14. Governing Law Jurisdiction

14.1 The construction, validity and performance of these Terms and Conditions shall be governed by the laws and the commercial courts of Delhi Jurisdiction, Delhi State, India in which the registered office of the ES company which accepted the order in question is located (including in cases involving multiple counsels for the defense or third-party respondents), which shall have exclusive jurisdiction.

* End of Report *

Legal Entity: Spectro Analytical Labs Private Limited (formerly Spectro Analytical Labs Limited), CIN: U74220DL1998PTC092698

(part of Eurofins Scientific SE)

E-41, Okhla Industrial Area, Phase-II, New Delhi-110020 (India)

+91-11-40522000, 41611000 | www.spectro.in | care@spectro.in

ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Laboratory



प्रारूप 1
पंजीकरण प्रमाण-पत्र

कॉर्पोरेट पहचान संख्या : U25200DL2013PTC247629

2012 - 2013

मैं एतद्वारा सत्यापित करता हूँ कि मैसर्स

ENCRAFT INDIA PRIVATE LIMITED

का पंजीकरण, कम्पनी अधिनियम 1956 (1956 का 1) के अंतर्गत आज किया जाता है और यह कम्पनी प्राइवेट लिमिटेड है।

यह निगमन-पत्र आज दिनांक अठारह जनवरी दो हजार तेरह को दिल्ली में जारी किया जाता है।

Form 1
Certificate of Incorporation

Corporate Identity Number : U25200DL2013PTC247629

2012 - 2013

I hereby certify that ENCRAFT INDIA PRIVATE LIMITED is this day incorporated under the Companies Act, 1956 (No. 1 of 1956) and that the company is private limited.

Given at Delhi this Twenty Eighth day of January Two Thousand Thirteen.

Validity unknown
Digitally signed by Sah Arma
Date: 2013.01.28 15:23:32
GMT+05:30

Registrar of Companies, National Capital Territory of Delhi and Haryana

कम्पनी रजिस्ट्रार, राष्ट्रीय राजधानी क्षेत्र दिल्ली एवं हरियाणा

*Note: The corresponding form has been approved by KRUSHNA SHANKAR PRADHAN, Deputy Registrar of Companies and this certificate has been digitally signed by the Registrar through a system generated digital signature under rule 5(2) of the Companies (Electronic Filing and Authentication of Documents) Rules, 2006.

The digitally signed certificate can be verified at the Ministry website (www.mca.gov.in).

कम्पनी रजिस्ट्रार के कार्यालय अभिलेख में उपलब्ध पत्राचार का पता :

Mailing Address as per record available in Registrar of Companies office:

ENCRAFT INDIA PRIVATE LIMITED

13TH FLOOR, DR. GOPAL DAS BHAWAN, 28, BARAKHAMBA ROAD,

NEW DELHI - 110001,

Delhi, INDIA



For ENCRAFT INDIA PRIVATE LIMITED

Director

Prüfbericht Nr.: 130421/18

Auftraggeber: IKA Innovative Kunststoffaufbereitung
GmbH & Co. KG
Filmstraße 4
06766 Wolfen
DEUTSCHLAND

Prüfauftrag: Prüfung der Wetterechtheit (visuelle und farbmetrische Beurteilung der Änderung der Farbe und Glanzbeurteilung) nach künstlicher Bewitterung an Fensterprofilen aus PVC-U.

Die künstliche Bewitterung erfolgt gemäß DIN EN 513, Verfahren 2 (Simulation einer heißen Klimazone S) bis zu einem von der Norm abweichenden Gesamtbestrahlungsdosisäquivalent von 24 GJ/m² im Wellenlängenbereich von 300 nm bis 800 nm.

E-Mail vom: 2019-01-15
2020-07-16

durch: Frau Elke Hentschel


Probeneingang: 2019-01-18

Prüfzeitraum: 2019-01-21 bis 2020-06-25

Der Prüfbericht umfasst 5 Textseiten.

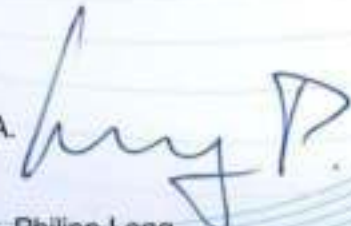
Würzburg, 17. Juli 2020
Lg

i. V.


Dr.-Ing. Andrea Monami
Stellv. Bereichsleiterin Prüflabor



i. A.


Dr. Philipp Lang
Gruppenleiter Prüfung
Profile und Dichtstoffe

Die ungekürzte oder auszugsweise Wiedergabe, Vervielfältigung und Übersetzung dieses Berichtes zu Werbezwecken bedarf der schriftlichen Genehmigung der SKZ - festing GmbH.
Die Ergebnisse beziehen sich auf die getesteten Produkte.

1. Auftrag

Die Firma IKA Innovative Kunststoffaufbereitung GmbH & Co. KG, Filmstraße 4, 06766 Wolfen, DEUTSCHLAND, beauftragte die SKZ - Testing GmbH durch E-Mail vom 15. Januar 2019 mit der Prüfung der Wetterechtheit (visuelle und farbmetrische Beurteilung der Änderung der Farbe und Glanzbeurteilung) nach künstlicher Bewitterung an Fensterprofilen aus PVC-U und am 16. Juli 2020 mit der Ausstellung des Prüfberichts.

Die künstliche Bewitterung erfolgt gemäß DIN EN 513, Verfahren 2 (Simulation einer heißen Klimazone S) bis zu einem von der Norm abweichenden Gesamtbestrahlungsdosisäquivalent von 24 GJ/m² im Wellenlängenbereich von 300 nm bis 800 nm.

2. Versuchsmaterial

Der SKZ - Testing GmbH lag am 18. Januar 2019 folgendes Versuchsmaterial zur Prüfung vor:

1 x 0,5 m Fensterprofil in weiß, beidseitig unkaschiert

Probe Nr.	Kennzeichnung	Bezeichnung
1	ENCRAFT EN 12608-S-I P625001 31808170502 05:58:24	FP 861

3. Versuchsdurchführung

Das Verfahren der künstlichen Bewitterung entspricht den Festlegungen der DIN EN 513: 1999-10, Verfahren 2, Simulation einer heißen Klimazone S. Die Bestrahlung erfolgte auf die Außenoberfläche der Probekörper.

Wenn nicht anders angegeben, erfolgte die Vorlagerung und Versuchsdurchführung bei Normalklima 23/50, Klasse 1 gemäß DIN EN ISO 291: 2008-08. Die Lagerung der Profilabschnitte bis zur Prüfung erfolgte bei $(23 \pm 5) ^\circ\text{C}$.

In der Regel prüfen wir nach Normen, für die wir eine Akkreditierung haben. Die Liste aller Normen, für die wir akkreditiert sind, kann im Internet unter www.skz.de eingesehen werden. Für den Fall, dass es sich um nicht akkreditierte Verfahren handelt, so sind diese mit * gekennzeichnet.

Parameter des Bewitterungsgerätes

Gerätetyp:	XENOTEST® BETA LM
Strahlungsquelle:	Xenonbogenstrahlung
Filtersystem:	Simulation Sonnenlicht im Freien
Schwarzstandardtemp.:	$65 \pm 3 ^\circ\text{C}$
Weißstandardtemperatur:	$45 - 50 ^\circ\text{C}$
Rel. Luftfeuchtigkeit:	$65 \pm 5 \%$
Zyklus:	6 min Beregnung, 114 min Trockenperiode
Bestrahlungsstärke E_{UV} (300 - 400) nm:	$60 \pm 2 \text{ W/m}^2$
Gesamtbestrahlungsdosisäquivalent im Wellenlängenbereich (300 - 800) nm:	24 GJ/m²
Bestrahlungszeit:	12.222 h
Beginn:	2019-01-21
Ende:	2020-06-26

3.1 Wetterechtheit

3.1.1 Farbmimetrische Beurteilung

Die Farbmessung der Proben erfolgte mit einem Spektralphotometer im Wellenlängenbereich von 360 - 750 nm, Normlichtart D65, Glanzeinschluss, 10° Normalbeobachter. Ermittelt wurde der Farbabstand ΔE^*_{ab} gemäß DIN EN ISO 11664-4: 2012-06.

Zusätzlich erfolgte die Glanzbeurteilung gemäß DIN 67530: 1982-01 (60°).

3.1.2 Visuelle Beurteilung

Die visuelle Beurteilung erfolgte gemäß DIN EN ISO 20105-A02: 1994-10 mit dem Graumaßstab zur Bewertung der Änderung der Farbe.



4. Versuchsergebnisse

4.1 Wetterechtheit

4.1.1 Farbmétrische Beurteilung

Bezeichnung: „FP 861“

Bewitterungs- dauer	Bestrah- lungsdosis	Farbkoordinaten (CIE L* a* b*)			Gesamt- farbabstand Delta E	Glanz (Anlieferzu- stand: 28)
		Delta L*	Delta a*	Delta b*		
1000 h	2 GJ/m ²	0,5	0,0	-1,2	1,3	21
2000 h	4 GJ/m ²	0,4	-0,3	0,9	1,0	18
3000 h	6 GJ/m ²	0,8	-0,1	-0,4	0,9	3
4000 h	8 GJ/m ²	0,8	-0,1	-0,7	1,1	2
5000 h	10 GJ/m ²	0,5	-0,1	-0,8	1,0	2
6000 h	12 GJ/m ²	0,7	-0,1	-0,7	1,0	2
7000 h	14 GJ/m ²	0,6	-0,1	-0,8	1,0	2
8162 h	16 GJ/m ²	0,8	-0,1	-0,7	1,1	2
9000 h	18 GJ/m ²	0,7	0,1	-1,9	2,0	3
10000 h	20 GJ/m ²	0,7	0,1	-2,0	2,1	2
11000 h	22 GJ/m ²	0,7	0,1	-1,8	1,9	2
12222 h	24 GJ/m ²	0,7	0,2	-2,0	2,1	2

Farbmétrische Beurteilung (Zusammenfassung)

Farbkoordinaten	Probe im Anlieferzustand	Probe nach Bewitterung	Farbabstand
L*	95,6	96,3	0,7
a*	-0,3	-0,1	0,2
b*	2,2	0,2	-2,0
Farbabstand ΔE^*			2,1



4.1.2 Visuelle Beurteilung


Bezeichnung: „FP 861“

Bewitterungs- dauer	Bestrahlungs- dosis	Echtheitszahl A02	Bemerkung
1000 h	2 GJ/m ²	4 - 5	heller, blauer
2000 h	4 GJ/m ²	4 - 5	heller, matter
3000 h	6 GJ/m ²	4 - 5	heller, matter
4000 h	8 GJ/m ²	4 - 5	heller, matter
5000 h	10 GJ/m ²	4 - 5	heller, matter
6000 h	12 GJ/m ²	4 - 5	heller, matter
7000 h	14 GJ/m ²	4 - 5	heller, matter
8162 h	16 GJ/m ²	4 - 5	heller, matter
9000 h	18 GJ/m ²	4	heller, blauer, matter
10000 h	20 GJ/m ²	4	heller, blauer, matter
11000 h	22 GJ/m ²	4	heller, blauer, matter
12222 h	24 GJ/m ²	4	heller, blauer, matter

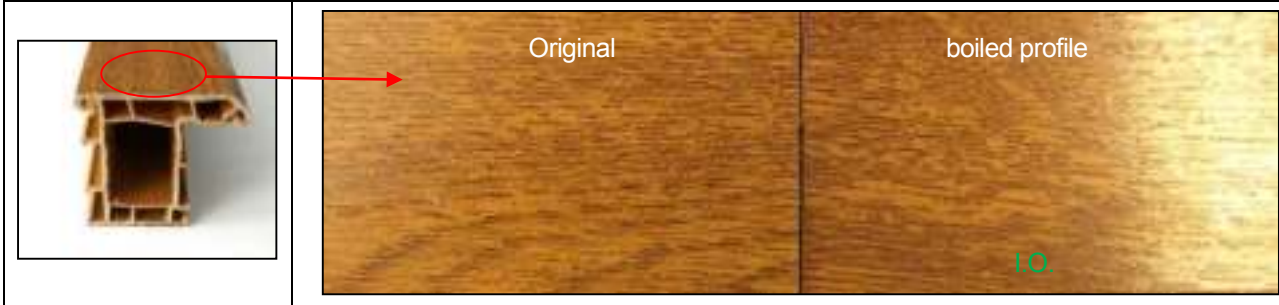
Task
Peel test – boil test after AAMA 303-18

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<p>Test material 1</p> <p>Date of test 13th of March 2019 Foil type RENOLIT EXOFOL FX Decor Golden Oak 9.2178 701 – 116701 FO-ID 107753158 Profile material PVC Glue Not provided Primer Not provided Ambient temperature Not provided Humidity Not provided Profile temperature Not provided Profile temperature after heating Not provided Temperature of glue Not provided Amount of glue Not provided Temperature of the foil Not provided Laminating speed Not provided</p>	
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Result			
	Requirement	Result	
Peel test value		5,0 (Foil break)	
Visual inspection of the glue		OK	
Cross – section			
Thickness of glue	40 – 60 µm	48 – 51 µm	
General visual inspection	Ok		

Picture 1 – Boil test according to AMMA 303-18 – Comparison (Original – Boiled profile)



Upon inspection, the laminated profile shall be free of

AMMA requirements	Results	
Blisters and degradation	No blisters and degradation visible	
Diminished bond integrity – less than 2 N/mm	Initial Peel value – 4.9 N/mm	Peel value after boil test – 4.6 N/mm
Veneer or film layer separation	No Veneer or film layer separation visible	

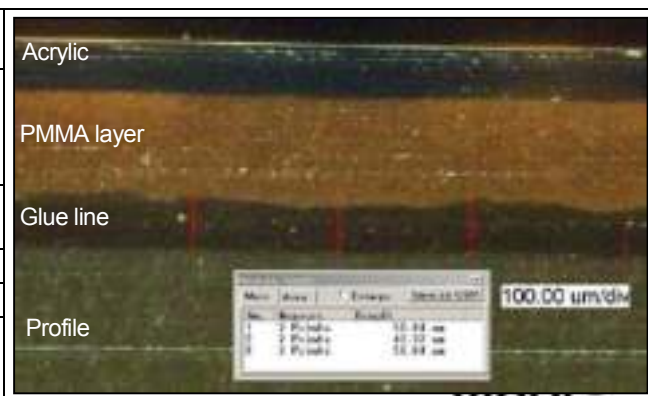
Test material 2

Date of test 13th of March 2019
 Foil type **RENOLIT EXOFOL FX**
 Decor Golden Oak 9.2178 701 – 116701
 FO-ID 107599537
 Profile material PVC
 Glue Not provided
 Primer Not provided
 Ambient temperature Not provided
 Humidity Not provided
 Profile temperature Not provided
 Profile temperature after heating Not provided
 Temperature of glue Not provided
 Amount of glue Not provided
 Temperature of the foil Not provided
 Laminating speed Not provided



Result

	Requirement	Result
Peel test value		4,9 (Foil break)
Visual inspection of the glue		OK
Cross – section		
Thickness of glue	40 – 60 µm	43 – 51 µm
General visual inspection	Ok	



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Steuer-Nr. (Fiscal-Code): 4467400058

Picture 1 – Boil test according to AMMA 303-18 – Comparison (Original – Boiled profile)



Upon inspection, the laminated profile shall be free of

AMMA requirements	Results	
Blisters and degradation	No blisters and degradation visible	
Diminished bond integrity – less than 2 N/mm	Initial Peel value – 4.9 N/mm	Peel value after boil test – 4.6 N/mm
Veneer or film layer separation	No Veneer or film layer separation visible	

Conclusion

The bonding of the film **RENOLIT EXOXOL FX** on the PVC profile shows results in a range between 5.0 and 4.9 N/mm with foil break.

The glue thickness is between 43 and 51 microns. We recommend an adhesive thickness between 40 and 60 microns.

Boil test after the recommendations of AMMA 303-18

The boil test has been done in a glass container filled with 20 cm of distilled water. The AAMA demands a length of 31 cm for the samples to be tested. The delivered samples was about 20 cm. Boiling time was 60 minutes. Inspection of the boiled samples has been done after it cools down to room temperature.

Upon inspection after the AAMA recommendations, the laminated profile shall be free of:

- Veneer or film layer separation
- Blisters and degradation
- Diminished bond integrity – less than 2 N/mm
 - The degradation of bond strength shall not be evident below the minimum standard force of 2 N/mm.

The profiles shown no failure after the boiling test. The peel values after the boiling test was also ok.

The present results of the boil test based on careful carrying out by our staff. All information's and recommendations based on practical experience. These results were obtained in a limited series of experiments under laboratory conditions. Therefore the company Renolit has no influence on the correctness of the results.

Renolit SE cannot assume any warranty or liability regard to possible quality fluctuations regarding to customer substrate and the processing of the substrate, as well as additionally because of to the small size of the test substrates.

Please note, that this carried out boil test can just be an indicate and not a warranty for the passing of the AAMA 303-18.

Best regards,

i. A. Björn Barthel
 Technical Service **RENOLIT EXTERIOR**

The information reflects our current knowledge and is given without warranty of any kind. The services have been provided to the best of our knowledge, yet no responsibility can be assumed for their completeness.



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