

Test Report

Report No : TUV(I)/NL-220/25-26/NL-0525000619

Date : 31 May 2025

Name and address of customer : Boruka Extrusions Pvt Ltd
#1,KRS Road,Metagalli,
Mysore
Pin Code: 570016

Reg No. : NL-220/25-26

CA No. : NL-0525000619

Name of the sample : **Recycle more than 75% aluminium
content-Powder Coating sample**

Batch No. : Grade :- 6063-T6 Alloy
Colour :- Anodic Bronze colour Powder
(SW28BN)

Discipline : Chemical

Product Category : Polymer

Date of sample receipt : 26 May 2025

Date(s) of analysis : 29 May 2025 - 31 May 2025

Objectives of Examination : As requested by client, SVHC screening is performed according to:
(i) Two hundred and Forty-Seven (247) substances in the Candidate List
of Substances of Very High Concern (SVHC) for authorization published
by European Chemicals Agency (ECHA)
Regulation (EC) No 1907/2006 concerning the REACH.

REACH Requirement : Article 33 of Regulation (EC) No 1907/2006 requires supplier of an
article containing a substance meeting the criteria in Article 57 and
identified in accordance with Article 59(1) in a concentration above 0.1%
weight by weight (w/w) shall provide the recipient of the article with
sufficient information.

Results Summary:

According to the specified scope and evaluation screening, the results of SVHC are
Below 0.1 % (w/w) in the submitted sample.

PASS**Authorized by**

Rabindra Samal.

Assistant Manager- Operation – ACMT Lab

**TUV India Private Limited****Registered & Head Office:** 801, Raheja Plaza-1, L.B.S. Marg, Ghatkopar (W), Mumbai - 400 086 • CIN: U74140MH1989PTC052930**Laboratory Address:** 1st Floor, A72, Block A, Sector 64, Noida, Uttar Pradesh - 201305

Phone No:0120 -4634210 • Toll free: 1800-209-0902 • E-mail: acmtlab@tuv-nord.com • URL: www.tuv-nord.com/in

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Remark:

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:
<http://echa.europa.eu/web/guest/candidate-list-table>
These lists are under evaluation by ECHA and may subject to change in the future.

2. REACH obligation:

- 2.1 Concerning article(s):

- Communication:

Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List.

- Notification:

In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

Companies supplying articles containing substances of very high concern (SVHCs) on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market must comply with the Waste Framework Directive 2008/98/EC requirement and submit SCIP notifications on these articles to ECHA, as from 5 January 2021.

- 2.2 Concerning material(s):

Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

- 2.3 Concerning substance and preparation:

If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and its amendments, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:

- a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
- a mixture that is classified as hazardous under the CLP Regulation (EC) No 1272/2008, when it contains a substance with concentration equal to, or greater than the classification limit as set in Regulation (EC) No. 1272/2008; or
- a mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008, but contains either:

- (a) a substance posing human health or environmental hazards in an individual concentration of ≥ 1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or ≥ 0.2 % by volume for gaseous mixtures; or
 - (b) a substance that is PBT, or vPvB in an individual concentration of ≥ 0.1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or
 - (c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures; or
 - (d) a substance for which there are Europe-wide workplace exposure limits
3. If a SVHC is found over the reporting limit, client is suggested to identify the composite component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

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Sr. No.	Name of SVHCs	CAS No.	EC No.	Result (mg/kg)	LOQ (mg/kg)	Test Method
1	Ammonium Dichromate	7789-09-5	232-143-1	<LOQ	50	TUVI/02/SOP/015
2	Chromium Trioxide	1333-82-0	215-607-8	<LOQ	50	TUVI/02/SOP/015
3	Acids Generated from Chromium Trioxide and their Oligomers	- - -	- - -	<LOQ	50	TUVI/02/SOP/015
	a) Chromic Acid	7738-94-5	231-801-5,	<LOQ	50	TUVI/02/SOP/015
	b) Dichromic Acid	13530-68-2	236-881-5	<LOQ	50	TUVI/02/SOP/015
4	Strontium Chromate	7789-06-2	232-142-6	<LOQ	50	TUVI/02/SOP/015
5	Sodium Chromate	7775-11-3	231-889-5	<LOQ	50	TUVI/02/SOP/015
6	Sodium Dichromate	7789-12-0 / 10588-01-9	234-190-3	<LOQ	50	TUVI/02/SOP/015
7	Potassium Chromate	7789-00-6	232-140-5	<LOQ	50	TUVI/02/SOP/015
8	Potassium Dichromate	7778-50-9	231-906-6	<LOQ	50	TUVI/02/SOP/015
9	Dichromium Tris chromate	24613-89-6	246-356-2	<LOQ	50	TUVI/02/SOP/015
10	Potassium hydroxy octa oxo dizincate dichromate	11103-86-9	234-329-8	<LOQ	50	TUVI/02/SOP/015
11	Pentazinc Chromate Octahydrate	49663-84-5	256-418-0	<LOQ	50	TUVI/02/SOP/015
12	Lead Chromate Molybdate Sulphate	12656-85-8	235-759-9	<LOQ	50	TUVI/02/SOP/015
13	Lead Chromate	7758-97-6	231-846-0	<LOQ	50	TUVI/02/SOP/015
14	Lead Sulfochromate	1344-37-2	215-693-7	<LOQ	50	TUVI/02/SOP/015
15	Lead bis (tetrafluoroborate)	13814-96-5	237-486-0	<LOQ	50	TUVI/02/SOP/015
16	Lead titanium trioxide	12060-00-3	235-038-9	<LOQ	50	TUVI/02/SOP/015
17	Lead titanium zirconium oxide	12626-81-2	235-727-4	<LOQ	50	TUVI/02/SOP/015
18	Silicic acid, lead salt	11120-22-2	234-363-3	<LOQ	50	TUVI/02/SOP/015

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19	Silicic acid (H ₂ SiO ₅), barium salt (1:1), lead-doped	68784-75-8	272-271-5	<LOQ	50	TUVI/02/SOP/015
	[with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]			<LOQ	50	TUVI/02/SOP/015
20	Pyrochlore, antimony lead yellow	8012-00-8	232-382-1	<LOQ	50	TUVI/02/SOP/015
21	Lead Diazide	13424-46-9	236-542-1	<LOQ	50	TUVI/02/SOP/015
22	Lead monoxide (Lead oxide)	1317-36-8	215-267-0	<LOQ	50	TUVI/02/SOP/015
23	Orange lead (Lead tetroxide)	1314-41-6	215-235-6	<LOQ	50	TUVI/02/SOP/015
24	Trilead bis(carbonate)dihydroxide	1319-46-6	215-290-6	<LOQ	50	TUVI/02/SOP/015
25	Lead Dipicrate	6477-64-1	229-335-2	<LOQ	50	TUVI/02/SOP/015
26	Lead (II) bis (methane sulfonate)	17570-76-2	401-750-5	<LOQ	50	TUVI/02/SOP/015
27	Lead Styphnate	15245-44-0	239-290-0	<LOQ	50	TUVI/02/SOP/015
28	Acetic acid, lead salt, basic	51404-69-4	257-175-3	<LOQ	50	TUVI/02/SOP/015
29	Sulfurous acid, lead salt, dibasic	62229-08-7	263-467-1	<LOQ	50	TUVI/02/SOP/015
30	Tetraethyllead	78-00-2	201-075-4	<LOQ	50	TUVI/02/SOP/015
31	Tetralead trioxide sulphate	12202-17-4	235-380-9	<LOQ	50	TUVI/02/SOP/015
32	Trilead dioxide phosphonate	12141-20-7	235-252-2	<LOQ	50	TUVI/02/SOP/015
33	Lead oxide sulfate	12036-76-9	234-853-7	<LOQ	50	TUVI/02/SOP/015
34	[Phthalato(2-)]dioxotrilead	69011-06-9	273-688-5	<LOQ	50	TUVI/02/SOP/015
35	Dioxobis(stearato)trilead	12578-12-0	235-702-8	<LOQ	50	TUVI/02/SOP/015

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36	Fatty acids, C16-18, lead salts	91031-62-8	292-966-7	<LOQ	50	TUVI/02/SOP/015
37	Lead cyanamide	20837-86-9	244-073-9	<LOQ	50	TUVI/02/SOP/015
38	Lead dinitrate	10099-74-8	233-245-9	<LOQ	50	TUVI/02/SOP/015
39	Pentalead tetraoxide sulphate	12065-90-6	235-067-7	<LOQ	50	TUVI/02/SOP/015
40	Lead di(acetate)	301-04-2	206-104-4	<LOQ	50	TUVI/02/SOP/015
41	Lead Hydrogen Arsenate	7784-40-9	232-064-2	<LOQ	50	TUVI/02/SOP/015
42	Tri Lead Diarsenate	3687-31-8	222-979-5	<LOQ	50	TUVI/02/SOP/015
43	Arsenic Acid	7778-39-4	231-901-9	<LOQ	50	TUVI/02/SOP/015
44	Calcium Arsenate	7778-44-1	231-904-5	<LOQ	50	TUVI/02/SOP/015
45	Diarsenic Pentoxide	1303-28-2	215-116-9	<LOQ	50	TUVI/02/SOP/015
46	Diarsenic Trioxide	1327-53-3	215-481-4	<LOQ	50	TUVI/02/SOP/015
47	Tri Ethyl Arsenate	15606-95-8	427-700-2	<LOQ	50	TUVI/02/SOP/015
48	Cobalt Dichloride	7646-79-9	231-589-4	<LOQ	50	TUVI/02/SOP/015
49	Cobalt (II) Carbonate	513-79-1	208-169-4	<LOQ	50	TUVI/02/SOP/015
50	Cobalt (II) Diacetate	71-48-7	200-755-8	<LOQ	50	TUVI/02/SOP/015
51	Cobalt (II) Dinitrate	10141-05-6	233-402-1	<LOQ	50	TUVI/02/SOP/015
52	Cobalt Sulphate	10124-43-3	233-334-2	<LOQ	50	TUVI/02/SOP/015
53	Boric acid	10043-35-3 / 11113-50-1	233-139-2, 234-343-4	<LOQ	50	TUVI/02/SOP/015
54	Disodium Tetraborate, anhydrous	1303-96-4 / 1330-43-4 / 12179-04-3	215-540-4	<LOQ	50	TUVI/02/SOP/015

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55	Diboron Trioxide	1303-86-2	215-125-8	<LOQ	50	TUVI/02/SOP/015
56	Tetraboron disodium heptoxide hydrate	12267-73-1	235-541-3	<LOQ	50	TUVI/02/SOP/015
57	Sodium Peroxometaborate	04-04-32	231-556-4	<LOQ	50	TUVI/02/SOP/015
58	Sodium Perborate, Perboric acid, Sodium Salt		239-172-9; 234-390-0	<LOQ	50	TUVI/02/SOP/015
59	Cadmium	7440-43-9	231-152-8	<LOQ	50	TUVI/02/SOP/015
60	Cadmium Oxide	1306-19-0	215-146-2	<LOQ	50	TUVI/02/SOP/015
61	Cadmium Sulphide	1306-23-6	215-147-8	<LOQ	50	TUVI/02/SOP/015
62	Cadmium Sulphate	233-331-6	10124-36-4; 31119-53-6	<LOQ	50	TUVI/02/SOP/015
63	Cadmium Fluoride	232-222-0	7790-79-6	<LOQ	50	TUVI/02/SOP/015
64	Cadmium Chloride	10108-64-2	233-296-7	<LOQ	50	TUVI/02/SOP/015
65	2-Methoxy Ethanol	109-86-4	203-713-7	Absent	-	TUVI/02/SOP/015
66	Methoxyacetic acid	625-45-6	210-894-6	Absent	-	TUVI/02/SOP/015
67	N,N-dimethylformamide	68-12-2	200-679-5	Absent	-	TUVI/02/SOP/015
68	1-bromopropane	106-94-5	203-445-0	Absent	-	TUVI/02/SOP/015
69	Furan	110-00-9	203-727-3	Absent	-	TUVI/02/SOP/015
70	2-Ethoxy Ethanol	110-80-5	203-804-1	Absent	-	TUVI/02/SOP/015
71	Trichloro Ethylene	79-01-6	201-167-4	Absent	-	TUVI/02/SOP/015
72	Acrylamide	79-06-1	201-173-7	Absent	-	TUVI/02/SOP/015
73	Formamide	75-12-7	200-842-0	Absent	-	TUVI/02/SOP/015
74	2 - Ethoxy Ethyl Acetate	111-15-9	203-839-2	Absent	-	TUVI/02/SOP/015
75	Hydrazine	7803-57-8 / 302-01-2	206-114-9	Absent	-	TUVI/02/SOP/015
76	1-Methyl, 2 -Pyrolidone	872-50-4	212-828-1	Absent	-	TUVI/02/SOP/015
77	N,N' Dimethyl Acetamide	127-19-5	204-826-4	Absent	-	TUVI/02/SOP/015
78	2,4 - Dinitro Toluene	121-14-2	204-450-0	Absent	-	TUVI/02/SOP/015

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79	1,2 Dichloro Ethane	107-06-2	203-458-1	Absent	-	TUVI/02/SOP/015
80	Bis - (2 Methoxy Ethyl) Ether	111-96-6	203-924-4	Absent	-	TUVI/02/SOP/015
81	1,2 - Dimethoxy Ethane	110-71-4	203-794-9	Absent	-	TUVI/02/SOP/015
82	1,2-diethoxyethane	629-14-1	211-076-1	Absent	-	TUVI/02/SOP/015
83	N-methylacetamide	79-16-3	201-182-6	Absent	-	TUVI/02/SOP/015
84	1,2 - Bis (2-methoxy Ethoxy) Ethane	112-49-2	203-977-3	Absent	-	TUVI/02/SOP/015
85	1,2,3 Trichloro Propane	96-18-4	202-486-1	Absent	-	TUVI/02/SOP/015
86	Anthracene	120-12-7	204-371-1	<LOQ	50	TUVI/02/SOP/015
87	Anthracene Oil	90640-80-5	292-602-7	Absent	-	TUVI/02/SOP/015
88	Anthracene Oil, Anthracene Paste, distn. Light	91995-17-4	295-278-5	Absent	-	TUVI/02/SOP/015
89	Anthracene Oil, Anthracene Paste, Anthracene Fraction	91995-15-2	295-275-9	Absent	-	TUVI/02/SOP/015
90	Anthracene Oil, Anthracene Low	90640-82-7	292-604-8	Absent	-	TUVI/02/SOP/015
91	Anthracene Oil, Anthracene Paste	90640-81-6	292-603-2	Absent	-	TUVI/02/SOP/015
92	Di-Isobutyl Phthalate	84-69-5	201-553-2	<LOQ	50	TUVI/02/SOP/015
93	Di-Butyl Phthalate	84-74-2	201-557-4	<LOQ	50	TUVI/02/SOP/015
94	Bis - 2-methoxyethyl Phthalate	117-82-8	204-212-6	<LOQ	50	TUVI/02/SOP/015
95	Bis - (2 Ethyl Hexyl) Phthalate	117-81-7	204-211-0	<LOQ	50	TUVI/02/SOP/015
96	Dihexyl phthalate	84-75-3	201-559-5	<LOQ	50	TUVI/02/SOP/015
97	Benzyl Butyl Phthalate	85-68-7	201-622-7	<LOQ	50	TUVI/02/SOP/015
98	1-2 Benzene di carboxylic acid di C7-C11 Branched and Linear Alkyl Esters	68515-42-4	271-084-6	<LOQ	50	TUVI/02/SOP/015
99	1-2 Benzene di carboxylic acid di C6-C8 Branched Alkyl Esters, C7 Rich	71888-89-6	276-158-1	<LOQ	50	TUVI/02/SOP/015
100	1-2 Benzene di carboxylic acid di C6-C10 Alkyl Esters (as per descission no. ED/2015/06/15)	68515-51-5	271-094-0	<LOQ	50	TUVI/02/SOP/015
101	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	<LOQ	50	TUVI/02/SOP/015

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102	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	<LOQ	50	TUVI/02/SOP/015
103	Diisopentylphthalate (DIPP)	605-50-5	210-088-4	Absent	-	TUVI/02/SOP/015
104	N-pentyl-isopentylphthalate	776297-69-9	-	Absent	-	TUVI/02/SOP/015
105	Di Pentyl Phthalate	131-18-0	205-017-9	<LOQ	50	TUVI/02/SOP/015
106	Trixylyl phosphate	25155-23-1	246-677-8	Absent	-	TUVI/02/SOP/015
107	Tris (2 - Chloro Ethyl) phosphate	115-96-8	204-118-5	Absent	-	TUVI/02/SOP/015
108	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	<LOQ	50	TUVI/02/SOP/015
109	4,4'-oxydianiline and its salts	101-80-4	202-977-0	<LOQ	50	TUVI/02/SOP/015
110	4-aminoazobenzene	60-09-3	200-453-6	<LOQ	50	TUVI/02/SOP/015
111	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	<LOQ	50	TUVI/02/SOP/015
112	o-aminoazotoluene [(4-o-tolylazo-o-toluidine)]	97-56-3	202-591-2	<LOQ	50	TUVI/02/SOP/015
113	o-toluidine	95-53-4	202-429-0	<LOQ	50	TUVI/02/SOP/015
114	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3	<LOQ	50	TUVI/02/SOP/015
115	4,4' Diamono Diphenyl Methane	101-77-9	202-974-4	Absent	-	TUVI/02/SOP/015
116	2,2' Dichloro - 4,4' Methylene Dianiline	101-14-4	202-918-9	<LOQ	50	TUVI/02/SOP/015
117	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	Absent	-	TUVI/02/SOP/015
118	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1	<LOQ	50	TUVI/02/SOP/015
119	Biphenyl-4-ylamine	92-67-1	202-177-1	<LOQ	50	TUVI/02/SOP/015
120	2 Methoxy Aniline,O-Anisidine	90-04-0	201-963-1	<LOQ	50	TUVI/02/SOP/015
121	5-tert. Butyl - 2,6 Dinitro , m-Xylene (Musk xylene)	81-15-2	201-329-4	Absent	-	TUVI/02/SOP/015
122	Hexabromo Cyclododecane (Including Isomers)	25637-99-4	247-148-4 & 221-695-9	Absent	-	TUVI/02/SOP/015
123	N,N,N',N' - tetramethyl-4,4'-methylenedianiline (Michler's Base)	101-61-1	202-959-2	Absent	-	TUVI/02/SOP/015

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124	Bis (Tributyltin) oxide (TBTO)	56-35-9	200-268-0	Absent	-	TUVI/02/SOP/015
125	4 - tert. Octyl Phenol	140-66-9	205-426-2	Absent	-	TUVI/02/SOP/015
126	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9	<LOQ	50	TUVI/02/SOP/015
127	Methyloxirane (Propylene oxide) as Propylene Glycol	75-56-9	200-879-2	<LOQ	50	TUVI/02/SOP/015
128	Diethyl sulphate	64-67-5	200-589-6	Absent	-	TUVI/02/SOP/015
129	Dimethyl sulphate	77-78-1	201-058-1	Absent	-	TUVI/02/SOP/015
130	1,3-propanesultone	1120-71-4	214-317-9	Absent	-	TUVI/02/SOP/015
131	Nitrobenzene	98-95-3	202-716-0	Absent	-	TUVI/02/SOP/015
132	Cyclohexane-1,2-dicarboxylic anhydride [1]	85-42-7, 13149-00-3, 14166-21-3	201-604-9, 236-086-3, 238-009-9	Absent	-	TUVI/02/SOP/015
	cis-cyclohexane-1,2-dicarboxylic anhydride [2]			Absent	-	TUVI/02/SOP/015
	trans-cyclohexane-1,2-dicarboxylic anhydride [3]			Absent	-	TUVI/02/SOP/015
	[The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry].			Absent	-	TUVI/02/SOP/015
133	Alkanes C10-C13 Chloro (Short chain Chlorinated Paraffins)	85535-84-8	287-476-5	Absent	-	TUVI/02/SOP/015
134	Benzo(def)chrysene (Benzo(a)Pyrene)	50-32-8	200-028-5	<LOQ	50	TUVI/02/SOP/015
135	4,4'-isopropylidenediphenol	80-05-7	201-245-8	Absent	-	TUVI/02/SOP/015
136	4-Heptylphenol, branched and linear substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof	-	-	Absent	-	TUVI/02/SOP/015
137	p-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	Absent	-	TUVI/02/SOP/015
138	Benz[a]anthracene	56-55-3, 1718-53-2	200-280-6	<LOQ	50	TUVI/02/SOP/015

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139	Cadmium carbonate	513-78-0	208-168-9	<LOQ	50	TUVI/02/SOP/015
140	Cadmium hydroxide	21041-95-2	244-168-5	<LOQ	50	TUVI/02/SOP/015
141	Cadmium nitrate	10022-68-1, 10325-94-7	233-710-6	<LOQ	50	TUVI/02/SOP/015
142	Chrysene	218-01-9, 1719-03-5	205-923-4	<LOQ	50	TUVI/02/SOP/015
143	Dodecachloropentacyclo[12.2.1.1 6,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) covering any of its individual anti- and syn-isomers or any combination thereof	-	-	Absent	-	TUVI/02/SOP/015
144	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride trimellitic anhydride; TMA	552-30-7	209-008-0	Absent	-	TUVI/02/SOP/015
145	Benzo[ghi]perylene	191-24-2	205-883-8	<LOQ	50	TUVI/02/SOP/015
146	Decamethylcyclopentasiloxane	541-02-6	208-764-9	Absent	-	TUVI/02/SOP/015
147	Dicyclohexyl phthalate	84-61-7	201-545-9	<LOQ	50	TUVI/02/SOP/015
148	Disodium octaborate	12008-41-2	234-541-0	<LOQ	50	TUVI/02/SOP/015
149	Dodecamethylcyclohexasiloxane	540-97-6	208-762-8	Absent	-	TUVI/02/SOP/015
150	Ethylenediamine	107-15-3	203-468-6	Absent	-	TUVI/02/SOP/015
151	Lead	7439-92-1	231-100-4	Absent	50	TUVI/02/SOP/015
152	Octamethylcyclotetrasiloxane	556-67-2	209-136-7	Absent	-	TUVI/02/SOP/015
153	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV-327)	3864-99-1	223-383-8	<LOQ	50	TUVI/02/SOP/015
154	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	<LOQ		TUVI/02/SOP/015
155	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	219-943-6	<LOQ	50	TUVI/02/SOP/015
156	α,α -Bis[4-	6786-83-	229-851-8	<LOQ	50	TUVI/02/SOP/015

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	(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	0				
157	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	208-953-6	<LOQ	50	TUVI/02/SOP/015
158	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	217-710-3	<LOQ	50	TUVI/02/SOP/015
159	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	209-358-4	<LOQ	50	TUVI/02/SOP/015
160	Phenolphthalein	77-09-8	201-004-7	<LOQ	50	TUVI/02/SOP/015
161	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	<LOQ	50	TUVI/02/SOP/015
162	Tricosafuorododecanoic acid	307-55-1	206-203-2	<LOQ	50	TUVI/02/SOP/015
163	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	<LOQ	50	TUVI/02/SOP/015
164	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	<LOQ	50	TUVI/02/SOP/015
165	Pentadecafluoro Octanoic Acid	335-67-1	206-379-9	<LOQ	50	TUVI/02/SOP/015
166	Ammonium Pentadecafluoro-octanoate	3825-26-1	223-320-4	<LOQ	50	TUVI/02/SOP/015
167	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	<LOQ	50	TUVI/02/SOP/015
168	4-Nonylphenol, branched and linear ethoxylates	-	-	<LOQ	50	TUVI/02/SOP/015
	[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	-	<LOQ	50	TUVI/02/SOP/015

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169	4-Nonylphenol, branched and linear ethoxylates (As per Decision no ED/69/2013)	-	-	<LOQ	50	TUVI/02/SOP/015
170	4-(1,1,3,3-tetramethylbutyl) phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	140-66-9	205-426-2	<LOQ	50	TUVI/02/SOP/015
171	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	202-506-9	<LOQ	50	TUVI/02/SOP/015
172	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	<LOQ	50	TUVI/02/SOP/015
173	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	<LOQ	50	TUVI/02/SOP/015
174	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4	<LOQ	50	TUVI/02/SOP/015
175	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	-	-	<LOQ	50	TUVI/02/SOP/015
176	Coal tar Pitch High Temperature	65996-93-2	266-028-2	<LOQ	50	TUVI/02/SOP/015
177	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane	---	---	<LOQ	50	TUVI/02/SOP/015
178	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5	<LOQ	50	TUVI/02/SOP/015
179	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazine-2,4,6-trione (TGIC)	2451-62-9	219-514-3	<LOQ	50	TUVI/02/SOP/015
180	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	423-400-0	<LOQ	50	TUVI/02/SOP/015
181	Formaldehyde Oligomeric Reaction Products with Aniline	25214-70-4	500-036-1	<LOQ	50	TUVI/02/SOP/015

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	(Technical MDA)					
182	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with \geq 0.1% of Michler's ketone]	561-41-1	209-218-2	<LOQ	50	TUVI/02/SOP/015
183	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	<LOQ	50	TUVI/02/SOP/015
184	Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	<LOQ	50	TUVI/02/SOP/015
185	Hexahydromethylphthalic anhydride [1],	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	247-094-1, 243-072-0, 256-356-4, 260-566-1	<LOQ	50	TUVI/02/SOP/015
	Hexahydro-4-methylphthalic anhydride [2],			<LOQ	50	TUVI/02/SOP/015
	Hexahydro-1-methylphthalic anhydride [3],			<LOQ	50	TUVI/02/SOP/015
	Hexahydro-3-methylphthalic anhydride [4]			<LOQ	50	TUVI/02/SOP/015
	[The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]			<LOQ	50	TUVI/02/SOP/015
186	Zirconia Alumino Silicate Refractroy Fibres	---	---	<LOQ	0.01 % (w/w)	TUVI/02/SOP/015
187	Alumino Silicate Refractroy Fibres	---	---	<LOQ	0.01 % (w/w)	TUVI/02/SOP/015
188	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts Nonadecafluorodecanoic acid, Ammonium nonadecafluorodecanoate	335-76-2, 3108-42-7	206-400-3	<LOQ	50	TUVI/02/SOP/015
189	Perflourohexane-1-sulphonic acid and its salts	355-46-4	206-587-1	<LOQ	50	TUVI/02/SOP/015
190	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) with \geq 0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)	-	-	<LOQ	50	TUVI/02/SOP/015
191	Terphenyl, hydrogenated	61788-32-7	262-967-7	<LOQ	50	TUVI/02/SOP/015
192	1,7,7-trimethyl-3-	15087-	239-139-9	<LOQ	50	TUVI/02/SOP/015

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	(phenylmethylene)bicyclo[2.2.1]heptan-2-one	24-8				
193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	<LOQ	50	TUVI/02/SOP/015
194	Benzo[k]fluoranthene	207-08-9	205-916-6	<LOQ	50	TUVI/02/SOP/015
195	Fluoranthene	206-44-0; 93951-69-0	205-912-4	<LOQ	50	TUVI/02/SOP/015
196	Phenanthrene	85-01-8	201-581-5	<LOQ	50	TUVI/02/SOP/015
197	Pyrene	129-00-0; 1718-52-1	204-927-3	<LOQ	50	TUVI/02/SOP/015
198	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with \geq 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	<LOQ	50	TUVI/02/SOP/015
199	4-tert-butylphenol	98-54-4	202-679-0	<LOQ	50	TUVI/02/SOP/015
200	2-methoxyethyl acetate	110-49-6	203-772-9	<LOQ	50	TUVI/02/SOP/015
201	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides covering any of their individual isomers and combinations thereof	-	-	<LOQ	50	TUVI/02/SOP/015
202	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	<LOQ	50	TUVI/02/SOP/015
203	Diisohexyl phthalate	71850-09-4	276-090-2	<LOQ	50	TUVI/02/SOP/015
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	<LOQ	50	TUVI/02/SOP/015
205	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	<LOQ	50	TUVI/02/SOP/015
206	1-vinylimidazole	1072-63-5	214-012-0	<LOQ	50	TUVI/02/SOP/015
207	2-methylimidazole	693-98-1	211-765-7	<LOQ	50	TUVI/02/SOP/015
208	Butyl 4-hydroxybenzoate	94-26-8	202-318-7	<LOQ	50	TUVI/02/SOP/015
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	245-152-0	<LOQ	50	TUVI/02/SOP/015
210	Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein	-	-	<LOQ	50	TUVI/02/SOP/015

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	C12 is the predominant carbon number of the fatty acyloxy moiety dioctyltin dilaurate; stannane, dioctyl-, bis(coco acyloxy) derivs.					
	Stannane, dioctyl-, bis(coco acyloxy) derivs.	91648-39-4	293-901-5			
	Dioctyltin dilaurate	3648-18-8	222-883-3			
211	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	205-594-7	<LOQ	50	TUVI/02/SOP/015
212	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP) Phenol, dodecyl-, branched EC No.: 310-154-3 CAS No.: 121158-58-5 Phenol, (tetrapropenyl) derivatives EC No.: - CAS No.: 74499-35-7 Phenol, 4-dodecyl, branched EC No.: - CAS No.: 210555-94-5 4-isododecylphenol EC No.: - CAS No.: 27459-10-5 Phenol, tetrapropylene- EC No.: - CAS No.: 57427-55-1 Phenol, 4-isododecyl- EC No.: - CAS No.: 27147-75-7	-	-	Absent	-	TUVI/02/SOP/015
213	orthoboric acid, sodium salt boric acid (H3BO3), sodium salt, hydrate EC No.: - CAS No.: 25747-83-5, Boric acid (H3BO3), disodium salt EC No.: - CAS No.: 22454-04-2 Trisodium orthoborate EC No.: 238-253-6 CAS No.: 14312-40-4 Boric acid, sodium salt EC No.: 215-604-1 CAS No.: 1333-73-9 Orthoboric acid, sodium salt EC No.: 237-560-2 CAS No.: 13840-56-7 Boric acid (H3BO3), sodium salt (1:1) EC No.: - CAS No.: 14890-	-	-	<LOQ	50	TUVI/02/SOP/015

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	53-0					
214	Medium-chain chlorinated paraffins (MCCP) UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17 Alkanes, C14-16, chloro EC No.: - CAS No.: 1372804-76-6 Alkanes, C14-17, chloro EC No.: 287-477-0 CAS No.: 85535-85-9 di-, tri- and tetrachlorotetradecane EC No.: 950-299-5 CAS No.: - Tetradecane, chloro derivs. EC No.: - CAS No.: 198840-65-2	-	-	Absent	-	TUVI/02/SOP/015
215	Glutaral	203-856-5	111-30-8	Absent	-	TUVI/02/SOP/015
216	4,4'-(1-methylpropylidene)bisphenol	201-025-1	77-40-7	Absent	-	TUVI/02/SOP/015
217	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers (2R)-3-(4-tert-butylphenyl)-2-methylpropanal EC No.: - CAS No.: 75166-31-3 2-(4-tert-butylbenzyl)propionaldehyde EC No.: 201-289-8 CAS No.: 80-54-6 (2S)-3-(4-tert-butylphenyl)-2-methylpropanal EC No.: - CAS No.: 75166-30-2	-	-	Absent	-	TUVI/02/SOP/015
218	2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA); 2,3-dibromo-1-propanol (2,3-DBPA) 2,2-dimethylpropan-1-ol, tribromo derivative (TBNPA) EC No.: 253-057-0 CAS No.: 36483-57-5 3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) EC No.: - CAS No.: 1522-92-5 2,2-bis(bromomethyl)propane-	-	-	Absent	-	TUVI/02/SOP/015

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Sr. No.	Name of SVHCs	CAS No.	EC No.	Result (mg/kg)	LOQ (mg/kg)	Test Method
	1,3-diol (BMP) EC No.: 221-967-7 CAS No.: 3296-90-0 2,3-dibromo-1-propanol (2,3-DBPA) EC No.: 202-480-9 CAS No.: 96-13-9					
219	1,4-dioxane	204-661-8	123-91-1	<LOQ	50	TUVI/02/SOP/015
220	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	-	Absent	-	TUVI/02/SOP/015
221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	204-327-1	Absent	-	TUVI/02/SOP/015
222	S-(tricyclo(5.2.1.0 ² ,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	401-850-9	Absent	-	TUVI/02/SOP/015
223	tris(2-methoxyethoxy)vinylsilane	1067-53-4	213-934-0	Absent	-	TUVI/02/SOP/015
224	N-(hydroxymethyl)acrylamide	924-42-5	213-103-2	Absent	-	TUVI/02/SOP/015
225	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]	37853-59-1	253-692-3	Absent	-	TUVI/02/SOP/015
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	201-236-9	Absent	-	TUVI/02/SOP/015
227	4,4'-sulphonyldiphenol	80-09-1	201-250-5	Absent	-	TUVI/02/SOP/015
228	Barium diboron tetraoxide	13701-59-2	237-222-4	<LOQ	50	TUVI/02/SOP/015
229	bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof Bis(2-ethylhexyl) tetrabromophthalate EC No.: 247-426-5 CAS No.: 26040-51-7	-	-	Absent	-	TUVI/02/SOP/015
230	Isobutyl 4-hydroxybenzoate	4247-02-03	224-208-8	Absent	-	TUVI/02/SOP/015
231	Melamine	108-78-1	203-615-4	<LOQ	50	TUVI/02/SOP/015
232	Perfluoroheptanoic acid and its salts Ammonium perfluoroheptanoate EC No.: 228-098-2 CAS No.:	-	-	Absent	-	TUVI/02/SOP/015

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Report No : TUV(I)/NL-220/25-26/NL-0525000619

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Sr. No.	Name of SVHCs	CAS No.	EC No.	Result (mg/kg)	LOQ (mg/kg)	Test Method
	6130-43-4 potassium perfluoroheptanoate EC No.: - CAS No.: 21049-36-5 Perfluoroheptanoic acid EC No.: 206-798-9 CAS No.: 375-85-9 Sodium perfluoroheptanoate EC No.: 243-518-4 CAS No.: 20109- 59-5					
233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	-	473-390-7	Absent	-	TUVI/02/SOP/015
234	Bis(4-chlorophenyl) Sulphone 2	80-07-9	201-247-9	Absent	-	TUVI/02/SOP/015
235	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	278-355-8	Absent	-	TUVI/02/SOP/015
236	2,4,6,-tri-tert-butylphenol	211-989-5	732-26-3	Absent	-	TUVI/02/SOP/015
237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol	221-573-5	3174-75-9	Absent	-	TUVI/02/SOP/015
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	438-340-0	119344-86-4	Absent	-	TUVI/02/SOP/015
239	Bumetrizole	223-445-4	3986-11-05	Absent	-	TUVI/02/SOP/015
240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	700-960-7	-	Absent	-	TUVI/02/SOP/015
241	Bis(a,a-dimethylbenzyl) peroxide	80-43-3	201-279-3	Absent	-	TUVI/02/SOP/015
242	Triphenyl phosphate (TPhP)	115-86-6	204-112-2	Absent	-	TUVI/02/SOP/015
243	Reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	421-820-9	Absent	-	TUVI/02/SOP/015
244	Perfluamine	338-83-0	206-420-2	Absent	-	TUVI/02/SOP/015
245	Octamethyltrisiloxane	107-51-7	203-497-4	Absent	-	TUVI/02/SOP/015
246	O,O,O-triphenyl phosphorothioate	597-82-0	209-909-9	Absent	-	TUVI/02/SOP/015
247	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	2156592-54-8	701-118-1	Absent	-	TUVI/02/SOP/015

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Note:

- 1) ICP Screening analysis: Test portion is digested with acid, the elements analyzed by ICP-OES
- 2) LC-MS/MS Screening: Test portion is extracted with suitable solvents based on solubility of compounds, the Extracted solution is analyzed by LC-MS/MS.
- 3) GC-MS Screening: Test portion is extracted with suitable solvents based on solubility of compounds, the Extracted solution is analyzed by GC-MS.
- 4) DL = Detection Limit
- 5) Limit for Cadmium* and Cadmium Compounds* Expressed as Cadmium is 100mg/kg max.
- 6) The substances in the candidates list of Substances of Very High Concern (SVHC) for Registration Evaluation Authorization of Chemicals (REACH) is published by ECHA (European Chemical Agency) consists of different combinations of compounds falling under category of UVCB Substances i.e. Substances of Unknown or Variable Composition, Complex reaction products or Biological Material.
- 7) The Test result is calculated as per selected identifiers of the SVHC and Calculations are based on worst case scenario
- 8) Element Barium concentration is coming above than specified limit of 1000 mg/kg in the given sample.
- 9) Considering UVCB nature, sample results may be termed as Semi-quantitative.
- 10) LOQ- Limit of Quantification



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1. Test Results are based on & related only to the particular sample(s) tested. In case sample has been provided by customer results apply to the samples as received.
2. This Report cannot be re-produced, except when in full, without the written permission from TUV India Pvt. Ltd.
3. This Certificate reflects our findings at the time and place of testing.
4. Sample(s) will be retained by us for a period of one month for non-perishable items only. Perishable items will be destroyed after completion of tests.
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-- End of Report --

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