TEST REPORT

Test Report No. RPT/H(Re)/24/000083
Dated 2024.02.13

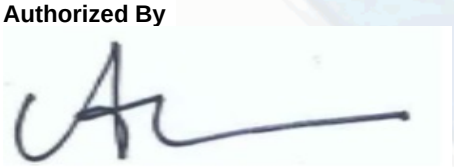
South Asia

Applicant	:	**P.S. DAIMA AND SONS** 45 K.M.Stone, Delhi - Rohtak Road, Village-Rohad, Jhajjar; Haryana-124507 India
Attention	:	Susil Daima
Tested Sample	:	Received on 2024.01.06, 3:11 PM
Test Period	:	2024.01.13 to 2024.02.13
Sample Description	:	**Sample A:** 1. Round Cord 2mm in Color 02 Black 2. Bolo Braided Cord 5mm in Color 603 R.Brown 3. Bolo Braided Cord 6mm in Color 609 White 4. Bolo Braided Cord 4mm in Color 612 Dk.Brown 5. Nappa Stitched 3mm in Color 1402 Black 6. Suede Stitched RSLO in Color 824 Camel
Material Type	:	Leather
Purpose of Examination	:	Analysis of the 235 substances of very high concern (SVHC) on the Candidate List for authorization, concerning REACH Regulation (EC) No. 1907/2006 as published on the European Chemicals Agency (ECHA) website in October 2008, January 2010, March 2010, June 2010, December 2010, June 2011, December 2011, June 2012, December 2012, June 2013 , December 2013, June 2014, December 2014, June 2015, December 2015, June 2016, January 2017, July 2017, January 2018, June 2018, January 2019, July 2019, January 2020, June 2020, January 2021, July 2021, January 2022, June 2022, January 2023 and June 2023 as per Applicant's requisition.
Note: The submitted sample is Not Drawn by the Laboratory. Sample tested as received. Composite test has been done as per Applicant's request.		

Unless otherwise agreed upon, PASS or FAIL verdicts are given based on the measured values without any considerations of measurement uncertainties. Every test method has a measurement uncertainty which has been evaluated by the laboratory and are available on request. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as PASS nor as FAIL.

1. The testing conditions are followed as per the reported test standard. For additional test conditions, apart from the reported test conditions, the laboratory can be contacted for details. 2. The laboratory will retain the sample(s) for 45 days except for the mandatory retention period specified by the Regulatory Bodies and unless otherwise specified by the client.

Authorized By



C. Arun
(Authorised Signatory)

Please contact :
For any technical issues : C. Arun at C.Arun@tuvsud.com
For any complaint : A, Saleemraja at Saleemraja.A@tuvsud.com

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Note: The test report is electronically generated. Hence original signature is not required.
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Laboratory:
TUV SUD South Asia Pvt. Ltd.
S. F. No. 139/1B,
Ammananthangal Village,
Chennai – Bangalore Road (NH – 46)
Walajapet – 632513, Ranipet district,
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Off Saki Vihar Road
Saki Naka, Andheri (East),
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1. Tests Subject Description:

SAMPLE NO.	MATERIAL DESCRIPTION	MATERIAL TYPE	COLOURS
A1	Round Cord 2mm	Leather	02 Black
A2	Bolo Braided Cord 5mm	Leather	603 R.Brown
A3	Bolo Braided Cord 6mm	Leather	609 White
A4	Bolo Braided Cord 4mm	Leather	612 Dk.Brown
A5	Nappa Stitched 3mm	Leather	1402 Black
A6	Suede Stitched RSLO	Leather	824 Camel

Composite Plan

Group	Composite Plan	Test
Group A	A1+A2+A3+A4+A5+A6	REACH 235 SVHC LISTS

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Analysis based on LC-MS, GC-MS, Headspace-GC-MS, UPLC, ICP-OES and UV-VIS.

Requirement Limits for all individual parameters: <0.1%

S.No.	Substance Name	CAS Number	LOQ (%)	Result (%) Group A	Conclusion
1	Anthracene	120-12-7	0.01	<0.01	Pass
2	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	0.01	<0.01	Pass
3	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	0.01	<0.01	Pass
4	Dibutyl phthalate (DBP)	84-74-2	0.01	<0.01	Pass
5	Sodium dichromate	7789-12-0, 10588-01-9	0.01	<0.01	Pass
6	Diarsenic pentaoxide	1303-28-2	0.01	<0.01	Pass
7	Triethyl arsenate	15606-95-8	0.01	<0.01	Pass
8	Bis(tributyltin)oxide (TBTO)	56-35-9	0.01	<0.01	Pass
9	Diarsenic trioxide	1327-53-3	0.01	<0.01	Pass
10	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	0.01	<0.01	Pass
11	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	0.01	<0.01	Pass
12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	25637-99-4, 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	0.01	<0.01	Pass
13	Benzyl butyl phthalate (BBP)	85-68-7	0.01	<0.01	Pass
14	Lead hydrogen arsenate	7784-40-9	0.01	<0.01	Pass
15	Anthracene oil, anthracene paste,distn. lights	91995-17-4	0.01	<0.01	Pass
16	Pitch, coal tar, high temp.	65996-93-2	0.01	<0.01	Pass
17	Anthracene oil, anthracene paste	90640-81-6	0.01	<0.01	Pass
18	Lead chromate	7758-97-6	0.01	<0.01	Pass
19	Diisobutyl phthalate	84-69-5	0.01	<0.01	Pass
20	Tris(2-chloroethyl)phosphate	115-96-8	0.01	<0.01	Pass
21	Anthracene oil, anthracene-low	90640-82-7	0.01	<0.01	Pass
22	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	0.01	<0.01	Pass
23	2,4-Dinitrotoluene	121-14-2	0.01	<0.01	Pass

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24	Anthracene oil	90640-80-5	0.01	<0.01	Pass
25	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	0.01	<0.01	Pass
26	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	0.01	<0.01	Pass
27	Acrylamide	79-06-1	0.01	<0.01	Pass
28	Potassium chromate	7789-00-6	0.01	<0.01	Pass
29	Disodium tetraborate, anhydrous	1303-96-4, 1330-43-4, 12179-04-3	0.01	<0.01	Pass
30	Sodium chromate	7775-11-3	0.01	<0.01	Pass
31	Boric acid	10043-35-3, 11113-50-1	0.01	<0.01	Pass
32	Ammonium dichromate	7789-09-5	0.01	<0.01	Pass
33	Tetraboron disodium heptaoxide, hydrate	12267-73-1	0.01	<0.01	Pass
34	Potassium dichromate	7778-50-9	0.01	<0.01	Pass
35	Trichloroethylene	79-01-6	0.01	<0.01	Pass
36	Cobalt(II) dinitrate*	10141-05-6	0.01	<0.01	Pass
37	Cobalt(II) carbonate*	513-79-1	0.01	<0.01	Pass
38	Chromium trioxide*	1333-82-0	0.01	<0.01	Pass
39	2-Methoxyethanol	109-86-4	0.01	<0.01	Pass
40	Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid.	7738-94-5, 13530-68-2	0.01	<0.01	Pass
41	2-Ethoxyethanol	110-80-5	0.01	<0.01	Pass
42	Cobalt(II) sulphate*	10124-43-3	0.01	<0.01	Pass
43	Cobalt(II) diacetate*	71-48-7	0.01	<0.01	Pass
44	Hydrazine	302-01-2, 7803-57-8	0.01	<0.01	Pass
45	2-Ethoxyethyl acetate	111-15-9	0.01	<0.01	Pass
46	1,2,3-Trichloropropane	96-18-4	0.01	<0.01	Pass
47	1-Methyl-2-pyrrolidone	872-50-4	0.01	<0.01	Pass
48	Strontium chromate	7789-06-2	0.01	<0.01	Pass
49	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.01	<0.01	Pass
50	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.01	<0.01	Pass
51	Cobalt dichloride	7646-79-9	0.01	<0.01	Pass
52	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	0.01	<0.01	Pass
53	Bis(2-methoxyethyl) ether	111-96-6	0.01	<0.01	Pass

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S.No.	Substance Name	CAS Number	LOQ (%)	Result (%) Group A	Conclusion
54	Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight(1)	-	0.01	<0.01	Pass
55	Bis(2-methoxyethyl) phthalate	117-82-8	0.01	<0.01	Pass
56	Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight(1)	-	0.01	<0.01	Pass
57	Trilead diarsenate	3687-31-8	0.01	<0.01	Pass
58	Lead styphnate	15245-44-0	0.01	<0.01	Pass
59	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	0.01	<0.01	Pass
60	Potassium hydroxyoctaoxodizincatedichromate	11103-86-9	0.01	<0.01	Pass
61	Arsenic acid	7778-39-4	0.01	<0.01	Pass
62	Pentazinc chromate octahydroxide	49663-84-5	0.01	<0.01	Pass
63	2-Methoxyaniline; o-Anisidine	90-04-0	0.01	<0.01	Pass

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64	Dichromium tris(chromate)	24613-89-6	0.01	<0.01	Pass
65	Calcium arsenate	7778-44-1	0.01	<0.01	Pass
66	1,2-dichloroethane	107-06-2	0.01	<0.01	Pass
67	Lead dipicrate	6477-64-1	0.01	<0.01	Pass
68	Lead diazide, Lead azide	13424-46-9	0.01	<0.01	Pass
69	Phenolphthalein	77-09-8	0.01	<0.01	Pass
70	N,N-dimethylacetamide	127-19-5	0.01	<0.01	Pass
71	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.01	<0.01	Pass
72	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	0.01	<0.01	Pass
73	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	0.01	<0.01	Pass
74	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) *[with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]*	2580-56-5	0.01	<0.01	Pass
75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.01	<0.01	Pass
76	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) *[with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]*	548-62-9	0.01	<0.01	Pass
77	Formamide	75-12-7	0.01	<0.01	Pass
78	Lead(II) bis(methanesulfonate)	17570-76-2	0.01	<0.01	Pass
79	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol *[with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]*	561-41-1	0.01	<0.01	Pass
80	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	0.01	<0.01	Pass
81	Diboron trioxide*	1303-86-2	0.01	<0.01	Pass
82	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	0.01	<0.01	Pass
83	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	0.01	<0.01	Pass

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84	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) *[with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]*	6786-83-0	0.01	<0.01	Pass
85	Lead cyanamidate*	20837-86-9	0.01	<0.01	Pass
86	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.01	<0.01	Pass
87	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	0.01	<0.01	Pass
88	Fatty acids, C16-18, lead salts	91031-62-8	0.01	<0.01	Pass
89	Diisopentylphthalate	605-50-5	0.01	<0.01	Pass
90	Biphenyl-4-ylamine	92-67-1	0.01	<0.01	Pass
91	Orange lead (lead tetroxide)	1314-41-6	0.01	<0.01	Pass
92	4,4'-oxydianiline and its salts	101-80-4	0.01	<0.01	Pass
93	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.01	<0.01	Pass
94	o-aminoazotoluene	97-56-3	0.01	<0.01	Pass
95	Trilead dioxide phosphonate*	12141-20-7	0.01	<0.01	Pass
96	Methyloxirane (Propylene oxide)	75-56-9	0.01	<0.01	Pass
97	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	0.01	<0.01	Pass
98	Methoxyacetic acid	625-45-6	0.01	<0.01	Pass
99	1-bromopropane (n-propyl bromide)	106-94-5	0.01	<0.01	Pass
100	Heptacosafluorotetradecanoic acid	376-06-7	0.01	<0.01	Pass
101	Tricosafluorododecanoic acid	307-55-1	0.01	<0.01	Pass
102	Pentacosafluorotridecanoic acid	72629-94-8	0.01	<0.01	Pass
103	Pentalead tetraoxide sulphate*	12065-90-6	0.01	<0.01	Pass
104	Tetraethyllead*	78-00-2	0.01	<0.01	Pass
105	Dioxobis(stearato)trilead	12578-12-0	0.01	<0.01	Pass
106	N-pentyl-isopentylphthalate	776297-69-9	0.01	<0.01	Pass
107	Tetralead trioxide sulphate*	12202-17-4	0.01	<0.01	Pass
108	1,2-Diethoxyethane	629-14-1	0.01	<0.01	Pass
109	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	0.01	<0.01	Pass
110	N-methylacetamide	79-16-3	0.01	<0.01	Pass
111	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	0.01	<0.01	Pass
112	[Phthalato(2-)]dioxotrilead	69011-06-9	0.01	<0.01	Pass
113	Acetic acid, lead salt, basic	51404-69-4	0.01	<0.01	Pass
114	Lead titanium trioxide*	12060-00-3	0.01	<0.01	Pass
115	Lead oxide sulphate*	12036-76-9	0.01	<0.01	Pass

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116	Dimethyl sulphate*	77-78-1	0.01	<0.01	Pass
117	Diethyl sulphate*	64-67-5	0.01	<0.01	Pass
118	4,4'-methylenedi-o-toluidine	838-88-0	0.01	<0.01	Pass
119	4-Nonylphenol, branched and linear *[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]*	-	0.01	<0.01	Pass
120	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated *[covering well-defined substances and UVCB substances, polymers and homologues]*	-	0.01	<0.01	Pass
121	N,N-dimethylformamide	68-12-2	0.01	<0.01	Pass
122	Furan	110-00-9	0.01	<0.01	Pass
123	Trilead bis(carbonate)dihydroxide*	1319-46-6	0.01	<0.01	Pass
124	Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped [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]	68784-75-8	0.01	<0.01	Pass
125	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.01	<0.01	Pass
126	o-Toluidine	95-53-4	0.01	<0.01	Pass
127	Lead monoxide (lead oxide)*	1317-36-8	0.01	<0.01	Pass
128	Lead titanium zirconium oxide*	12626-81-2	0.01	<0.01	Pass
129	4-Aminoazobenzene	60-09-3	0.01	<0.01	Pass
130	Silicic acid, lead salt*	11120-22-2	0.01	<0.01	Pass
131	Lead dinitrate*	10099-74-8	0.01	<0.01	Pass
132	Lead bis(tetrafluoroborate)*	13814-96-5	0.01	<0.01	Pass
133	Dibutyltin dichloride (DBTC)	683-18-1	0.01	<0.01	Pass
134	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [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]	85-42-7, 13149-00-3, 14166-21-3	0.01	<0.01	Pass

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S.No.	Substance Name	CAS Number	LOQ (%)	Result (%) Group A	Conclusion
135	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] *[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]*	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	0.01	<0.01	Pass
136	Henicosafluoroundecanoic acid	2058-94-8	0.01	<0.01	Pass
137	6-methoxy-m-toluidine (p-cresidine)	120-71-8	0.01	<0.01	Pass
138	Pyrochlore, antimony lead yellow	8012-00-8	0.01	<0.01	Pass
139	Cadmium	7440-43-9	0.01	<0.01	Pass
140	Cadmium oxide*	1306-19-0	0.01	<0.01	Pass
141	Dipentyl phthalate (DPP)	131-18-0	0.01	<0.01	Pass
142	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	-	0.01	<0.01	Pass
143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	0.01	<0.01	Pass
144	Pentadecafluorooctanoic acid (PFOA)	-	0.01	<0.01	Pass
145	Cadmium sulphide*	1306-23-6	0.01	<0.01	Pass
146	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate)(C.I. Direct Red 28)	573-58-0	0.01	<0.01	Pass
147	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	0.01	<0.01	Pass
148	Dihexyl phthalate	84-75-3	0.01	<0.01	Pass
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	0.01	<0.01	Pass
150	Lead di(acetate)*	301-04-2	0.01	<0.01	Pass
151	Trixylyl phosphate*	25155-23-1	0.01	<0.01	Pass
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.01	<0.01	Pass
153	Sodium perborate; perboric acid, sodium salt*	-	0.01	<0.01	Pass
154	Sodium peroxometaborate*	7632-04-4	0.01	<0.01	Pass
155	Cadmium chloride*	10108-64-2	0.01	<0.01	Pass

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S.No.	Substance Name	CAS Number	LOQ (%)	Result (%) Group A	Conclusion
156	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	0.01	<0.01	Pass
157	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)	-	0.01	<0.01	Pass
158	Cadmium fluoride*	7790-79-6	0.01	<0.01	Pass
159	Cadmium sulphate*	10124-36-4:31119-53-6	0.01	<0.01	Pass
160	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.01	<0.01	Pass
161	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.01	<0.01	Pass
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5; 68648-93-1	0.01	<0.01	Pass
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination thereof]	-	0.01	<0.01	Pass
164	1,3-propanesultone	1120-71-4	0.01	<0.01	Pass
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	0.01	<0.01	Pass
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	0.01	<0.01	Pass
167	Nitrobenzene	98-95-3	0.01	<0.01	Pass
168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononanoic acid and its sodium and ammonium salts	375-95-1; 21049-39-8; 4149-60-4	0.01	<0.01	Pass
169	Benzo(a)Pyrene	50-32-8	0.01	<0.01	Pass
170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	0.01	<0.01	Pass
171	p-(1,1-dimethylpropyl)phenol	80-46-6	0.01	<0.01	Pass
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7;335-76-2;383-45-3	0.01	<0.01	Pass

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S.No.	Substance Name	CAS Number	LOQ (%)	Result (%) Group A	Conclusion
173	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 therof]	-	0.01	<0.01	Pass
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	0.01	<0.01	Pass
175	Benz[a]anthracene	56-55-3, 1718-53-2	0.01	<0.01	Pass
176	Cadmium carbonate*	513-78-0	0.01	<0.01	Pass
177	Cadmium hydroxide*	21041-95-2	0.01	<0.01	Pass
178	Cadmium nitrate*	10022-68-1, 10325-94-7	0.01	<0.01	Pass
179	Chrysene	218-01-9, 1719-03-5	0.01	<0.01	Pass
180	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene (“Dechlorane Plus”™) covering any of its individual anti- and syn-isomers or any combination thereof	-	0.01	<0.01	Pass
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)	-	0.01	<0.01	Pass
182	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.01	<0.01	Pass
183	Decamethylcyclopentasiloxane (D5)	541-02-6	0.01	<0.01	Pass
184	Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.01	<0.01	Pass
185	Lead	7439-92-1	0.01	<0.01	Pass
186	Disodium octaborate	12008-41-2	0.01	<0.01	Pass
187	Benzo[ghi]perylene	191-24-2	0.01	<0.01	Pass
188	Terphenyl hydrogenated	61788-32-7	0.01	<0.01	Pass
189	Ethylenediamine (EDA)	107-15-3	0.01	<0.01	Pass
190	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	0.01	<0.01	Pass
191	Dicyclohexyl phthalate (DCHP)	84-61-7	0.01	<0.01	Pass
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	0.01	<0.01	Pass
193	Benzo[k]fluoranthene	207-08-9	0.01	<0.01	Pass
194	Fluoranthene	206-44-0	0.01	<0.01	Pass
195	Phenanthrene	85-01-8	0.01	<0.01	Pass
196	Pyrene	129-00-0	0.01	<0.01	Pass

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197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	15087-24-8	0.01	<0.01	Pass
198	4-tert-butylphenol	98-54-4	0.01	<0.01	Pass
199	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	0.01	<0.01	Pass
200	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	0.01	<0.01	Pass
201	2-methoxyethyl acetate	110-49-6	0.01	<0.01	Pass
202	Diisohexyl phthalate	71850-09-4	0.01	<0.01	Pass
203	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	0.01	<0.01	Pass
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	0.01	<0.01	Pass
205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.01	<0.01	Pass
206	1-vinylimidazole	1072-63-5	0.01	<0.01	Pass
207	2-methylimidazole	693-98-1	0.01	<0.01	Pass
208	butyl 4-hydroxybenzoate	94-26-8	0.01	<0.01	Pass
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	0.01	<0.01	Pass
210	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	0.01	<0.01	Pass
211	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	-	0.01	<0.01	Pass
212	1,4-dioxane	123-91-1	0.01	<0.01	Pass
213	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)	1522-92-5, 36483-57-5, 3296-90-0, 96-13-9	0.01	<0.01	Pass
214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	75166-31-3, 80-54-6, 75166-30-2	0.01	<0.01	Pass
215	4,4'-(1-methylpropylidene)bisphenol	77-40-7	0.01	<0.01	Pass
216	glutaral	111-30-8	0.01	<0.01	Pass
217	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]	1372804-76-6, 85535-85-9, 198840-65-2	0.01	<0.01	Pass

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218	Orthoboric acid, sodium salt	25747-83-5, 22454-04-2, 14312-40-4, 1333-73-9, 13840-56-7, 14890-53-0	0.01	<0.01	Pass
219	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	210555-94-5, 27459-10-5, 27147-75-7, 121158-58-5, 74499-35-7, 57427-55-1	0.01	<0.01	Pass
220	6,6′-di-tert-butyl-2,2′-methylenedi-p-cresol	119-47-1	0.01	<0.01	Pass
221	tris(2-methoxyethoxy)vinylsilane	1067-53-4	0.01	<0.01	Pass
222	(±)-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), (3E)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one, (1R,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one, (1R,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one, (1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one, (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one, (1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one, (1S,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one, (1R,3Z,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	1782069-81-1, 95342-41-9, 852541-25-4, 36861-47-9, 741687-98-9, 852541-30-1, 852541-21-0	0.01	<0.01	Pass
223	S-(tricyclo(5.2.1.02,6)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	0.01	<0.01	Pass
224	N-(Hydroxymethyl) acrylamide	924-42-5	0.01	<0.01	Pass
225	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	-	0.01	<0.01	Pass
226	Perfluoroheptanoic acid and its salts	-	0.01	<0.01	Pass
227	Melamine	108-78-1	0.01	<0.01	Pass
228	Isobutyl 4-hydroxybenzoate	4247-02-3	0.01	<0.01	Pass

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S.No.	Substance Name	CAS Number	LOQ (%)	Result (%) Group A	Conclusion
229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	26040-51-7	0.01	<0.01	Pass
230	Barium diboron tetraoxide	13701-59-2	0.01	<0.01	Pass
231	4,4'-sulphonyldiphenol	80-09-1	0.01	0.023	**Refer Individual**
232	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	0.01	<0.01	Pass
233	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1	0.01	<0.01	Pass
234	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	0.01	<0.01	Pass
235	Bis(4-chlorophenyl) sulphone	80-07-9	0.01	<0.01	Pass

S.No.	Substance Name	CAS Number	LOQ (%)	Result (%) A1	Conclusion
231	4,4'-sulphonyldiphenol	80-09-1	0.01	<0.01	Pass

S.No.	Substance Name	CAS Number	LOQ (%)	Result (%) A2	Conclusion
231	4,4'-sulphonyldiphenol	80-09-1	0.01	<0.01	Pass

S.No.	Substance Name	CAS Number	LOQ (%)	Result (%) A3	Conclusion
231	4,4'-sulphonyldiphenol	80-09-1	0.01	<0.01	Pass

S.No.	Substance Name	CAS Number	LOQ (%)	Result (%) A4	Conclusion
231	4,4'-sulphonyldiphenol	80-09-1	0.01	<0.01	Pass

S.No.	Substance Name	CAS Number	LOQ (%)	Result (%) A5	Conclusion
231	4,4'-sulphonyldiphenol	80-09-1	0.01	0.048	Pass

S.No.	Substance Name	CAS Number	LOQ (%)	Result (%) A6	Conclusion
231	4,4'-sulphonyldiphenol	80-09-1	0.01	<0.01	Pass

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Sample Digital Photograph

Note :

LOQ = Limit of quantification. All LOQ are based on homogenous material.

LOQ = 0.01% is evaluated for element (i.e. cobalt, arsenic, lead, Cadmium, sodium, chromium, chromium (VI), silicon, aluminum, zirconium, boron, potassium ,and molybdenum).

Bis(tributyltin)oxide (TBTO) is tested and calculated in term of Tributyl tin.

The substances are UVCB (substance of unknown or variable composition, complex reaction products or biological materials), which are identified by its main constituents.

Individual concentrations to the constituent of UVCB with an amount of < 0.01% were not considered by the calculation of the sum.

(1) The test result is based on microscopic and chemical evaluation.

* For the substances concentrations are calculated on the basis of total metal content (Pb, Cd, Co, Ti, Zr, Mo, Al, Cr, Ba, B, As, Ca, Zn, K, Sr).

By calculation, if detected, this material probably contains Boric acid (CAS: 10043-35-3/11113-50-1), Disodium tetraborate, anhydrous (CAS: 1330-43-4/12179-04-3/1303-96-4), or Tetraboron disodium heptaoxide hydrate (CAS: 12267-73-1), Diboron trioxide (1303-86-2), Sodium peroxometaborate (7632-04-4), Sodium perborate; Perboric acid, sodium salt, Disodium octaborate (12008-41-2). The calculation is based on the total boron content by ICP-OES.It suggests to check the respective recipe. If the theoretical content of the respective substance is >0.1% in the weight of whole article.

Calculated concentrations of cobalt(II) sulphate, cobalt(II) dinitrate, cobalt(II) carbonate, cobalt(II) diacetate are based on the total cobalt by ICP-OES.

Calculated concentrations of Sodium dichromate, potassium dichromate, chromium trioxide, chromic acid and dichromic acid are based on the identified chromium(VI) by UV-VIS Spectrophotometer.

The tested material(s) was analyzed for relevant SVHC substance(s) only as the additional risk for other SVHC substances is low in the tested material(s). The testing is focused on the possibility of contamination during production & material specific contamination of the product.

-- END OF THE TEST REPORT --

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