



South Asia

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Test Report No. RPT/H(Re)/18/0012151
Dated 11.06.2018

Applicant	: P S DAIMA & SONS 45 KM Stone, Delhi Rohtak Road, Village: Rohad, Bahadurgarh, Haryana – 124507.
Attention	: Mr. Bhaskar
Tested Sample	: Received on 31.05.2018
Test Period	: 31.05.2018 to 11.06.2018
Sample Description	: Sample A (Group 1): 1) BOLO – 6 SAMPLES 2) ROUND 2MM – 2 SAMPLES 3) NAPPA 22NO. – 1 SAMPLE 4) SUEDE 1724 NO. – 1 SAMPLE
Color	: BOLO: PEARL, BLACK, MYSTIQUE PINK, GREY, BRIGHT RED, BERRY. ROUND 2mm : BLUE, TURQUISE. NAPPA 22NO.: NOT PROVIDED. SUEDE 1724 NO.: NOT PROVIDED.
Material Details	: LEATHER
Purpose of Examination	: Analysis of the 181 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, Dec 2015, June 2016, Jan 2017, July 2017 and Jan 2018 as per applicant's requisition.

Note: The submitted sample is Not Drawn by the Laboratory. Composite test of all the 10 samples have been done as requested by the applicant.

Reviewed by

Sanjay Kumar Das
Report Reviewer

Authorised by

C. Arun
Authorized signatory

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TEST RESULTS AND CONCLUSION:

Analysis of the 181 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, Jan 2017, July 2017 and Jan 2018.

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 1)	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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S.No.	Substance Name	CAS Number	LOQ (%)	Result (%) (Group 1)	Conclusion
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 1)	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 (Na ₂ O+K ₂ O+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 (Na ₂ O+K ₂ O+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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S.No.	Substance Name	CAS Number	LOQ (%)	Result (%) (Group 1)	Conclusion
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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S.No.	Substance Name	CAS Number	LOQ (%)	Result (%) (Group 1)	Conclusion
84	α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with $\geq 0.1\%$ 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	Heptacosafuorotetradecanoic acid	376-06-7	0.01	<0.01	Pass
101	Tricosafuorododecanoic acid	307-55-1	0.01	<0.01	Pass
102	Pentacosafuorotridecanoic 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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S.No.	Substance Name	CAS Number	LOQ (%)	Result (%) (Group 1)	Conclusion
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 ₂ Si ₂ O 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 1)	Conclusion
135	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] <i>[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]</i>	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	0.01	<0.01	Pass
136	Henicosafuoroundecanoic 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*	4-4-7632	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 1)	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-heptafluorononanoic 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 1)	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 thereof]	-	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-HPb)	-	0.01	<0.01	Pass

Sample Digital Photograph



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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). 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 --