



**BUREAU  
VERITAS**

# TEST REPORT

LAB NO. : (8820)359-0080(R1)  
DATE : Jan 14, 2021  
PAGE : 1 OF 12

**Applicant Name:** FLASHBAY ELECTRONICS  
**Applicant Address:** BUILDING 2,JIXUN INDUSTRIAL PARK,DONG' AO VILLAGE,  
SHATIAN TOWN,HUIYANG DISTRICT,HUIZHOU CITY,GUANGDONG  
PROVINCE,P.R.CHINA  
**Date of Submission:** DEC 24, 2020  
**Test Period:** DEC 24, 2020 TO JAN 5, 2021  
**Sample Description:** TRAVEL CUPS  
Style No. : EcoSip  
Manufacturer : FLASHBAY ELECTRONICS  
Sample Size : 3PCS

## SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
Candidate List of Substances of Very High Concern for authorization published by European Chemicals Agency (ECHA) Regarding Regulation (EC) No. 1907/2006 concerning REACH	PASS	-



BUREAU VERITAS SHENZHEN CO.,LTD  
DONGGUAN BRANCH

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RT/Carmen Xiong

### REMARK

If there are questions or concerns on this report, please contact the following persons:

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Photo of the Submitted Sample





**APPENDIX I**

No.	Substance name	CAS No.	EC No.	Detection Limit, %
1	Triethyl arsenate*	15606-95-8	427-700-2	0.01
2	Anthracene	120-12-7	204-371-1	0.005
3	4,4'-Diaminodiphenyl methane (MDA)	101-77-9	202-974-4	0.005
4	Dibutyl phthalate (DBP)	84-74-2	201-557-4	0.005
5	Cobalt dichloride*	7646-79-9	231-589-4	0.01
6	Diarsenic pentaoxide*	1303-28-2	215-116-9	0.01
7	Diarsenic trioxide*	1327-53-3	215-481-4	0.01
8	Sodium dichromate*	7789-12-0 <sup>(1)</sup> , 10588-01-9 <sup>(2)</sup>	234-190-3	0.01
9	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	0.005
10	Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	204-211-0	0.005
11	Hexabromo cyclododecane (HBCDD) and all major diastereoisomers identified:	3194-55-6 <sup>(3)</sup> , 25637-99-4 <sup>(4)</sup>	247-148-4, 221-695-9	0.005
	- HBCDD	134237-50-6	-	
	- HBCDD	134237-51-7	-	
	- HBCDD	134237-52-8	-	
12	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCP)	85535-84-8	287-476-5	0.01
13	Bis(tributyltin)oxide(TBTO)**	56-35-9	200-268-0	0.005
14	Lead hydrogen arsenate*	7784-40-9	232-064-2	0.01
15	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	0.005
16	2,4-Dinitrotoluene	121-14-2	204-450-0	0.005
17	Anthracene oil	90640-80-5	292-602-7	0.01
18	Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5	0.01
19	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	0.01
20	Anthracene oil, anthracene-low	90640-82-7	292-604-8	0.01
21	Anthracene oil, anthracene paste	90640-81-6	292-603-2	0.01
22	Diisobutyl phthalate	84-69-5	201-553-2	0.005
23	Lead chromate*	7758-97-6	231-846-0	0.01
24	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)*	12656-85-8	235-759-9	0.01
25	Lead sulfochromate yellow (C.I. Pigment Yellow34)*	1344-37-2	215-693-7	0.01
26	Tris(2-chloroethyl) phosphate	115-96-8	204-118-5	0.005
27	Coal tar pitch, high temperature	65996-93-2	266-028-2	0.01
28	Acrylamide	79-06-1	201-173-7	0.005
29	Trichloroethylene	79-01-6	201-167-4	0.005
30	Boric acid*	10043-35-3, 11113-50-1	233-139-2,2 34-343-4	0.01
31	Disodium tetraborate, anhydrous*	1330-43-4 <sup>(5)</sup> , 12179-04-3 <sup>(6)</sup> , 1303-96-4 <sup>(7)</sup>	215-540-4	0.01
32	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	235-541-3	0.01
33	Sodium chromate*	7775-11-3	231-889-5	0.01

34	Potassium chromate*	7789-00-6	232-140-5	0.01
35	Ammonium dichromate*	7789-09-5	232-143-1	0.01
36	Potassium dichromate*	7778-50-9	231-906-6	0.01
37	Cobalt(II) sulphate*	10124-43-3	233-334-2	0.01
38	Cobalt(II) dinitrate*	10141-05-6	233-402-1	0.01
39	Cobalt(II) carbonate*	513-79-1	208-169-4	0.01
40	Cobalt(II) diacetate*	71-48-7	200-755-8	0.01
41	2-Methoxyethanol	109-86-4	203-713-7	0.005
42	2-Ethoxyethanol	110-80-5	203-804-1	0.005
43	Chromium trioxide*	1333-82-0	215-607-8	0.01
44	Acid generated from chromium trioxide and their oligomers:	-	-	0.01
	Chromic acid*	7738-94-5	231-801-5	
	Dichromic acid*	13530-68-2	236-881-5	
	Oligomers of chromic acid and dichromic acid*	-	-	
45	2-Ethoxyethyl acetate	111-15-9	203-839-2	0.005
46	Strontium Chromate*	7789-06-2	232-142-6	0.01
47	1,2-benzenedicarboxylic acid, di-C7-11 branched alkyl ester and linear alkyl ester	68515-42-4	271-084-6	0.005
48	Hydrazine	302-01-2 7803-57-8	206-114-9	0.005
49	1-Methyl-2-pyrrolidone	872-50-4	212-828-1	0.005
50	1,2,3-trichloropropane	96-18-4	202-486-1	0.005
51	1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl ester, C7-rich (DIHP)	71888-89-6	276-158-1	0.005
52	Dichromium tris(chromate)*	24613-89-6	246-356-2	0.01
53	Potassium hydroxyoctaoxodizincatedi-chromate*	11103-86-9	234-329-8	0.01
54	Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	0.01
55	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	0.005
56	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	0.005
57	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	0.005
58	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	205-426-2	0.005
59	1,2-Dichloroethane	107-06-2	203-458-1	0.005
60	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	0.005
61	Arsenic acid*	7778-39-4	231-901-9	0.01
62	Calcium arsenate*	7778-44-1	231-904-5	0.01
63	Trilead diarsenate*	3687-31-8	222-979-5	0.01
64	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	0.005
65	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	0.005
66	Phenolphthalein	77-09-8	201-004-7	0.005
67	Lead azide, Lead diazide*	13424-46-9	236-542-1	0.01
68	Lead styphnate*	15245-44-0	239-290-0	0.01
69	Lead dipicrate*	6477-64-1	229-335-2	0.01
70	Aluminosilicate, Refractory Ceramic Fibres* <sup>a</sup>	Index no. 650-017-00-8		0.01
71	Zirconia Aluminosilicate, Refractory Ceramic Fibres* <sup>b</sup>	Index no. 650-017-00-8		0.01
72	1,2-bis(2-methoxyethoxy)ethane(TEGDME; triglyme)	112-49-2	203-977-3	0.005



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73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	0.005
74	Diboron trioxide*	1303-86-2	215-125-8	0.01
75	Formamide	75-12-7	200-842-0	0.01
76	Lead(II) bis(methanesulfonate)*	17570-76-2	401-750-5	0.01
77	TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione) <sup>§</sup>	2451-62-9	219-514-3	0.005
78	$\beta$ -TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) <sup>§</sup>	59653-74-6	423-400-0	0.005
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5	0.005
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	0.005
81	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride(C.I. Basic Violet 3) C.I.	548-62-9	208-953-6	0.005
82	[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	0.005
83	$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	0.01
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	209-218-2	0.005
85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	214-604-9	0.005
86	N,N-dimethylformamide; dimethyl formamide	68-12-2	200-679-5	0.005
87	Methoxy acetic acid	625-45-6	210-894-6	0.005
88	Dibutyltin dichloride (DBT) <sup>db</sup>	683-18-1	211-670-0	0.01
89	1,2-Diethoxyethane	629-14-1	211-076-1	0.005
90	Hexahydro-2-benzofuran-1,3-dione (HHPA)	85-42-7	201-604-9	0.01
	cis-cyclohexane-1,2-dicarboxylic anhydride	13149-00-3	236-086-3	
	trans-cyclohexane-1,2-dicarboxylic anhydride	14166-21-3	238-009-9	
91	Hexahydromethylphthalic anhydride	25550-51-0	247-094-1	0.01
	Hexahydro-4-methylphthalic anhydride	19438-60-9	243-072-0	
	Hexahydro-1-methylphthalic anhydride	48122-14-1	256-356-4	
	Hexahydro-3-methylphthalic anhydride	57110-29-9	260-566-1	
92	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	-	-	0.005
93	Heptacosfluorotetradecanoic acid	376-06-7	206-803-4	0.005
94	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear <sup>+</sup>	84777-06-0	284-032-2	0.005
95	Henicosfluoroundecanoic acid	2058-94-8	218-165-4	0.005
96	N-pentyl-isopentylphthalate (iPnPP) <sup>+</sup>	776297-69-9	-	0.005
97	Pentacosfluorotridecanoic acid	72629-94-8	276-745-2	0.005
98	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	-	-	0.005
99	Tricosfluorododecanoic acid	307-55-1	206-203-2	0.005
100	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	0.01

101	Lead tetroxide (orange lead)*	1314-41-6	215-235-6	0.01
102	Diethyl sulphate	64-67-5	200-589-6	0.005
103	Dinoseb	88-85-7	201-861-7	0.005
104	Lead Titanium Zirconium Oxide*	12626-81-2	235-727-4	0.01
105	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	0.01
106	Furan	110-00-9	203-727-3	0.01
107	N-methylacetamide	79-16-3	201-182-6	0.005
108	o-Toluidine; 2-Aminotoluene	95-53-4	202-429-0	0.005
109	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	0.01
110	4,4'-oxydianiline and its salts	101-80-4	202-977-0	0.005
111	[Phthalato(2-)]dioxotrilead (Dibasic lead phthalate)*	69011-06-9	273-688-5	0.01
112	Lead titanium trioxide*	12060-00-3	235-038-9	0.01
113	Lead oxide sulphate*	12036-76-9	234-853-7	0.01
114	Lead dinitrate*	10099-74-8	233-245-9	0.01
115	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	200-453-6	0.005
116	Lead cyanamidate*	20837-86-9	244-073-9	0.01
117	Tetralead trioxide sulphate*	12202-17-4	235-380-9	0.01
118	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	202-453-1	0.005
119	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	0.01
120	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	215-290-6	0.01
121	Dimethyl sulphate	77-78-1	201-058-1	0.005
122	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	0.01
123	Silicic acid, barium salt, lead-doped*	68784-75-8	272-271-5	0.01
124	Biphenyl-4-ylamine	92-67-1	202-177-1	0.005
125	Lead oxide (lead monoxide)*	1317-36-8	215-267-0	0.01
126	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	0.01
127	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	200-879-2	0.01
128	Silicic acid, lead salt*	11120-22-2	234-363-3	0.01
129	Trilead dioxide phosphonate*	12141-20-7	235-252-2	0.01
130	o-aminoazotoluene	97-56-3	202-591-2	0.005
131	1-bromopropane	106-94-5	203-445-0	0.01
132	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	0.005
133	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	0.005
134	Tetraethyllead*	78-00-2	201-075-4	0.01
135	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	0.01
136	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	0.01
137	Diisopentylphthalate <sup>+</sup>	605-50-5	210-088-4	0.005
138	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	0.01
139	Cadmium*	7440-43-9	231-152-8	0.01
140	Cadmium oxide*	1306-19-0	215-146-2	0.01
141	Dipentyl phthalate (DPP) <sup>+</sup>	131-18-0	205-017-9	0.005
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]	-	-	0.005

143	Ammonium pentadecafluorooctanoate (APFO) <sup>‡</sup>	3825-26-1	223-320-4	0.005
144	Pentadecafluorooctanoic acid (PFOA) <sup>‡</sup>	335-67-1	206-397-9	0.005
145	Cadmium sulphide*	1306-23-6	215-147-8	0.01
146	Dihexyl phthalate	84-75-3	201-559-5	0.005
147	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	0.005
148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]a zo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	217-710-3	0.005
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	202-506-9	0.005
150	Lead di(acetate)*	301-04-2	206-104-4	0.01
151	Trixylyl phosphate	25155-23-1	246-677-8	0.005
152	Cadmium chloride*	10108-64-2	233-296-7	0.01
153	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear <sup>++</sup>	68515-50-4	271-093-5	0.005
154	Sodium peroxometaborate*	7632-04-4	231-556-4	0.01
155	Sodium perborate; perboric acid, sodium salt*	-	239-172-9; 234-390-0	0.01
156	Cadmium fluoride*	7790-79-6	232-222-0	0.01
157	Cadmium sulphate*	10124-36-4; 31119-53-6	233-331-6	0.01
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	0.005
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	0.005
160	2-ethylhexyl-10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-st annatetradecanoate (DOTE) <sup>‡b</sup>	15571-58-1	239-622-4	0.01
161	Reaction mass of 2-ethylhexyl-10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-st annatetradecanoate 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) <sup>‡b</sup>	-	-	0.01
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	271-094-0; 272-013-1	0.01
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
164	1,3-propanesultone	1120-71-4	214-317-9	0.005
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	0.005
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	0.005
167	Nitrobenzene	98-95-3	202-716-0	0.005



168	Perfluorononan-1-oic acid acid and its sodium and ammonium salts	375-95-1; 21049-39-8; 4149-60-4	206-801-3	0.005
169	Benzo[a]pyrene	50-32-8	200-028-5	0.005
170	4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	201-245-8	0.005
171	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] (4-Hpbl)	-	-	0.005
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3830-45-3, 335-76-2, 3108-42-7	-, 206-400-3, 221-470-5	0.005
173	p-(1,1-dimethylpropyl)phenol (PTAP)	80-46-6	201-280-9	0.005
174	Perfluorohexane-1-sulphonic acid and its salts	-	-	0.005
175	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	13560-89-9; 135821-74-8; 135821-03-3	-	0.005
176	Benz[a]anthracene	56-55-3	200-280-6	0.005
177	Cadmium nitrate*	10325-94-7	233-710-6	0.005
178	Cadmium carbonate*	513-78-0	208-168-9	0.005
179	Cadmium hydroxide*	21041-95-2	244-168-5	0.005
180	Chrysene	218-01-9	205-923-4	0.005
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]	-	-	0.005
182	Trimellitic Anhydride (TMA)	209-008-0	552-30-7	0.005
183	Dicyclohexyl phthalate (DCHP)	201-545-9	84-61-7	0.005
184	Benzo[ghi]perylene	191-24-2	205-883-8	0.005
185	Decamethylcyclopentasiloxane(D5)	541-02-6	208-764-9	0.005
186	Disodium octaborate*	12008-41-2	234-541-0	0.005
187	Dodecamethylcyclohexasiloxane(D6)	540-97-6	208-762-8	0.005
188	Ethylenediamine(EDA)	107-15-3	203-468-6	0.005
189	Lead	7439-92-1	231-100-4	0.005
190	Octamethylcyclotetrasiloxane(D4)	556-67-2	209-136-7	0.005
191	Terphenyl, hydrogenated	61788-32-7	262-967-7	0.005
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	0.005
193	Benzo[k]fluoranthene	207-08-9	205-916-6	0.005
194	Fluoranthene	206-44-0	205-912-4	0.005
195	Phenanthrene	85-01-8	201-581-5	0.005
196	Pyrene	129-00-0	204-927-3	0.005
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one(3-benzylidene camphor; 3-BC)	15087-24-8	239-139-9	0.005
198	2-methoxyethyl acetate	110-49-6	203-772-9	0.005
199	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	0.005



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200	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides(covering any of their individual isomers and combinations thereof)	-	-	0.005
201	4-tert-butylphenol (PTBP)	98-54-4	202-679-0	0.005
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	0.005
203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	0.005
204	Diisohexyl phthalate	71850-09-4	276-090-2	0.005
205	Perfluorobutane sulfonic acid(PFBS) and its salts	-	-	0.005
206	1-vinylimidazole	1072-63-5	214-012-0	0.005
207	2-methylimidazole	693-98-1	211-765-7	0.005
208	Butyl 4-hydroxybenzoate	94-26-8	202-318-7	0.005
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	245-152-0	0.005

- (1) CAS no. 7789-12-0 refers to sodium dichromate dihydrate
- (2) CAS no. 10588-01-9 refers to anhydrous sodium dichromate
- (3) CAS no. 3194-55-6 refers to a specific HBCDD - 1,2,5,6,9,10-hexabromocyclododecane
- (4) CAS no. 25637-99-4 refers to unspecific HBCDD isomer composition
- (5) CAS no. 1330-43-4 refers to disodium tetraborate, anhydrous
- (6) CAS no. 12179-04-3 refers to sodium tetraborate, pentahydrate
- (7) CAS no. 1303-96-4 refers to sodium tetraborate, decahydrate



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**Remark:**

1. PBT = Persistent, bio accumulative and toxic as defined in Regulation (EC) No 1907/2006
2. vPvB = Very persistent and very bio accumulative as defined in Regulation (EC) No 1907/2006
3. \*Result is based on the heavy metal or inorganic element concentration. Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain.
4. \*\*Result is identified by tributyltin (TBT). Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain.
5. §TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) and β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) are reported as a mixture.
6. ªRefer to Aluminosilicate, Refractory Ceramic Fibres 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<sub>2</sub>O+K<sub>2</sub>O+CaO+MgO+BaO) content less or equal to 18% by weight.
7. ºRefer to Zirconia Aluminosilicate, Refractory Ceramic Fibres 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<sub>2</sub>O+K<sub>2</sub>O+CaO+MgO+BaO) content less or equal to 18% by weight.
8. +[1,2-Benzenedicarboxylic acid, dipentylester, branched and linear] is a mixture of phthalates contains DPP, DIPP and N-pentyl-isopentylphtalate.
9. ¤PFOA and APFO are reported together. The result is based on PFOA concentration. Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain.
10. ++[1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear] is a mixture of phthalates contains dihexyl phthalate.
11. ¤Result is based on the tin metal concentration, and further confirmation for checking DBT, DOTE & MOTE concentration.



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Note:

1. The limit of 0.1% (w/w) applies to an article. The results were calculated assuming as the submitted sample was an article. However, the results may not be applicable if the intended use of the sample is a substance or mixture. According to REACH, definition of an article, substance and mixture are:
  - i. Article - An object during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition
  - ii. Substance - A chemical element and its compound in the natural state or obtained by any manufacturing process
  - iii. Mixture (Previously known as "Preparation") - A mixture or solution composed of two or more substances
  
2. In accordance of Article 7 of Regulation (EC) No. 1907/2006 (REACH regulation) – Registration and notification of substances in articles, any producer or importer of articles shall notify ECHA, if a substance meets in criteria in Article 57 and is identified in accordance with Article 59(1), if both (1) the substance is present in those articles in quantities totalling over 1 tonne per producer or importer per year & (2) the substance is present in those articles above a concentration of 0.1% weight by weight (w/w) are met. The information to be notified shall include (a) identity and contact details of the producer or importer, (b) the registration numbers, (c) the identity of the substance and (d) the classification of the substance, (e) a brief description of the use of the substance and (f) the tonnage range of the substance.
  
3. In accordance of Article 33 of Regulation (EC) No. 1907/2006 (REACH regulation) – Duty to communicate information on substances in articles, any supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in 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. On request by a consumer the relevant information shall be provided by any supplier of an article free of charge, within 45 days of receipt of the request.

< End of Report >