Newbest Testing Service

Test Report

Report No.: NB2020073349 **Date:** July 15, 2020

Applicant: GUANGZHOU RIMSEA TECHNOLOGY CO., LIMITED

Address: NO. 2A155, GUANGZHOU XINJI SHAXI HOTEL SUPPLIES EXPO CITY (XIAJIAO AREA), XIAJIAO VILLAGE, LUO PU STREET, PANYU DISTRICT GUANGZHOU, GUANGDONG PROVINCE, P.R. CHINA 510260

The following merchandise were submitted and identified by the clients as:

Sample Name: Power Bank

Model No.: ZDA8PDP Brand: ZENDURE

The following information were confirmed by the laboratory:

Testing Period: From July 2, 2020 to July 15, 2020

Test Results: Please refer to next page(s)

Summary of test results

Test Requested		Conclusion
1	Candidate List of Substances of Very High Concern for authorization published by European Chemicals Agency (ECHA) Regarding Regulation (EC) No. 1907/2006 concerning REACH	Less than 0.1%
2	As specified by client, in accordance with REACH Directive EC No 1907/2006, to determine the two hundred and eight (208) Substances of Very High Concern(SVHC) which were published by European Chemicals Agency(ECHA) content by sieving test on submitted sample.	Less than 0.1%
3	As specified by client, in accordance with REACH Directive EC No 1907/2006, to determine the one (1) Substances of Very High Concern(SVHC) which were published by European Chemicals Agency(ECHA) content by sieving test on submitted sample.	Less than 0.1%

Remark: Composited test by client's request.
Tested part(s) was/were specified by client.

Signed for and on behalf of Guangdong Newbest Testing Service Co., Ltd.

Approved by: Manager

广东能乐检测技术服务有限公司 检验检测专用章 Inspection & Testing Services Guangdong NewBest Testing Service Co., Ltd.

Test Report

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Test results:

Tested part(s) description:

Test Item(s)	Description	Location
I001	Black plastic shell & button with white coating	Charger
I002	Silvery metal with black plating	Screw
I003	Black soft plastic with adhesive	Charger inner
I004	White adhesive tape	Charger inner
I005	Black translucence plastic with adhesive protective film	Signal lamp
I006	Gray soft plastic	Charger PCB (1)
I007	Navy PCB with white printed	Charger PCB (1)
I008	White solid glue	Charger PCB (1)
I009	Black audion body	Charger PCB (1)
I010	Brown PFC with white printed	Small PFC
I011	Black IC body	Charger PCB (1)
I012	Black IC body	Charger PCB (1)
I013	White printed black chip resistance body	Charger PCB (1)
I014	Light brown clip capacitor body	Charger PCB (1)
I015	Black plastic	Charger PCB (1)
I016	Silvery metal pin	Charger PCB (1)
I017	Black PVC	Charger PCB (1)
I018	Silvery metal	Charger PCB (1)
I019	Silvery metal with black coating	Logo
I020	Silvery body with black printed	Inductance
I021	Silvery metal shell	Charger PCB (1)
I022	Blue plastic	Charger PCB (1)
I023	Silvery metal pin	Charger PCB (1)
I024	Silvery metal shell	Charger PCB (1)
I025	Green plastic	Charger PCB (1)
I026	Silvery metal pin	Charger PCB (1)
I027	Brown plastic with white printed shell	Electrolytic capacitor
I028	Silvery metal case	Electrolytic capacitor
I029	Black soft plastic bottom	Electrolytic capacitor
I030	Silvery metal pin	Electrolytic capacitor
I031	Brown paper foil	Electrolytic capacitor
I032	Silvery metal foil	Electrolytic capacitor
I033	Livid metal foil	Electrolytic capacitor
I034	Navy PCB with white printed	Charger PCB (small)
I035	White plastic with light yellow solid glue & white coating	Viewing screen

Test Report

Report No.: NB2020073349 **Date:** July 15, 2020

Test results:

Tested part(s) description:

Test Item(s)	Description	Location
I036	Black PCB	Viewing screen PCB
I037	Silvery metal pin	Viewing screen PCB
I038	Navy PCB with white printed	Battery PCB
I039	Silvery metal	Soldering tin
I040	Golden metal button	Switch
I041	Silvery metal	Paster
I042	Silvery metal	Wire core
I043	Red soft plastic with white printed	Wire jacket
I044	Black soft plastic with white printed	Wire jacket
I045	Navy PCB with white printed	Charger PCB (2)
I046	Silvery metal pin	Charger PCB (2)
I047	Black chip resistance body	Charger PCB (2)
I048	Black IC body	Charger PCB (2)
I049	Coppery metal wire (big)	Charger PCB (2)
I050	Coppery metal wire (small）	Charger PCB (2)
I051	Black body (big & small)	Charger PCB (2)
I052	Silvery metal shell	Charger PCB (2)
I053	Black plastic	Charger PCB (2)
I054	Silvery metal pin	Charger PCB (2)
I055	Purple plastic with black printed shell	Battery
I056	Silvery metal conductive strips	Battery
I057	White adhesive tape	Battery
I058	Atrovirens paper	Battery

Test Group	Composition
A	I001+I003+I004+I005+I006+I007+I008+I015+I017
B	I002+I016+I018+I021+I023+I024+I026+I028+I030+I032
C	I009+I011+I012+I013+I014+I020+I047+I048+I051
D	I022+I025+I027+I029+I031+I034+I035+I036
E	I033+I037+I039+I040+I046+I049+I050
F	I010+I038+I043+I044+I045+I053+I055+I057+I058
G	I019+I041+I042+I052+I054+I056

1. Candidate List of Substances of Very High Concern for authorization published by European Chemicals Agency (ECHA) Regarding Regulation (EC) No. 1907/2006 concerning REACH

Test Method: Analysis is based on GC, GC-MS, HPLC, IC, ICP and UV, with various detection techniques.

Substance Name	Result (%)		
	A	B	D
209 items Substances of very high concern(SVHCs)	N.D.(each)	N.D.(each)	N.D.(each)

Substance Name	Result (%)		
	E	F	G
209 items Substances of very high concern(SVHCs)	N.D.(each)	N.D.(each)	N.D.(each)

Note: N.D. = Not detected(<MDL) MDL= Detection Limit
mg/kg = milligram per kilogram = ppm = part per million 10000 mg/kg = 1 %
The list of analytes is summarized in table of Appendix.
Results shown are of the total weight of mixed samples.

2. As specified by client, in accordance with REACH Directive EC No 1907/2006, to determine the two hundred and eight (208) Substances of Very High Concern(SVHC) which were published by European Chemicals Agency(ECHA) content by sieving test on submitted sample

Test Method: Analysis is based on GC, GC-MS, HPLC, IC, ICP and UV, with various detection techniques.

Substance Name	Result (%)
	C
208 items except the lead Substances of very high concern(SVHCs)	N.D.(each)

Note: N.D. = Not detected(<MDL) MDL= Detection Limit
mg/kg = milligram per kilogram = ppm = part per million 10000 mg/kg = 1 %
The list of analytes is summarized in table of Appendix.
Results shown are of the total weight of mixed samples.

Test Report

3. As specified by client, in accordance with REACH Directive EC No 1907/2006, to determine the one (1) Substances of Very High Concern(SVHC) which were published by European Chemicals Agency(ECHA) content by sieving test on submitted sample

Test Method: Analysis is based on GC, GC-MS, HPLC, IC, ICP and UV, with various detection techniques.

Substance Name	Result (%)				
	I009	I011	I012	I013	I014
Lead	N.D.	N.D.	N.D.	N.D.	N.D.

Substance Name	Result (%)			
	I020	I047	I048	I051
Lead	N.D.	N.D.	N.D.	N.D.

Note: N.D. = Not detected(<MDL) MDL= Detection Limit
mg/kg = milligram per kilogram = ppm = part per million 10000 mg/kg = 1 %
The list of analytes is summarized in table of Appendix.

APPENDIX
The Candidate List of Substances of Very High Concern

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
1	Triethyl arsenate*	15606-95-8	427-700-2	0.01	Carcinogenic
2	Anthracene	120-12-7	204-371-1	0.01	PBT
3	4,4'-Diaminodiphenyl methane (MDA)	101-77-9	202-974-4	0.01	Carcinogenic
4	Dibutyl phthalate (DBP)	84-74-2	201-557-4	0.01	Toxic for reproduction
5	Cobalt dichloride*	7646-79-9	231-589-4	0.01	Carcinogenic
6	Diarsenic pentaoxide*	1303-28-2	215-116-9	0.01	Carcinogenic
7	Diarsenic trioxide*	1327-53-3	215-481-4	0.01	Carcinogenic
8	Sodium dichromate*	7789-12-0(1), 10588-01-9(2)	234-190-3	0.01	Carcinogenic; Mutagenic; Toxic for reproduction
9	5-tert-butyl-2,4,6-trinitro- m-xylene (musk xylene)	81-15-2	201-329-4	0.01	vPvB
10	Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	204-211-0	0.01	Toxic for reproduction
11	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: - HBCDD - HBCDD - HBCDD	3194-55-6(3), 25637-99-4(4) 134237-50-6 134237-51-7 134237-52-8	247-148-4, 221-695-9	0.01	PBT
12	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCP)	85535-84-8	287-476-5	0.01	PBT, vPvB
13	Bis(tributyltin)oxide (TBTO)**	56-35-9	200-268-0	0.01	PBT
14	Lead hydrogen arsenate*	7784-40-9	232-064-2	0.01	Carcinogenic; Toxic for reproduction
15	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	0.01	Toxic for reproduction
16	2,4-Dinitrotoluene	121-14-2	204-450-0	0.01	Carcinogenic
17	Anthracene oil	90640-80-5	292-602-7	0.01	Carcinogenic, PBT, vPvB
18	Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5	0.01	Carcinogenic; Mutagenic, PBT, vPvB
19	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	0.01	Carcinogenic; Mutagenic, PBT, vPvB
20	Anthracene oil, anthracene-low	90640-82-7	292-604-8	0.01	Carcinogenic; Mutagenic, PBT, vPvB
21	Anthracene oil, anthracene paste	90640-81-6	292-603-2	0.01	Carcinogenic; Mutagenic, PBT, vPvB
22	Diisobutyl phthalate	84-69-5	201-553-2	0.01	Toxic for reproduction
23	Aluminosilicate, Refractory Ceramic Fibres*a	Index no. 650-017-00-8		0.01	Carcinogenic
24	Zirconia Aluminosilicate, Refractory Ceramic Fibres*b	Index no. 650-017-00-8		0.01	Carcinogenic
25	Lead chromate*	7758-97-6	231-846-0	0.01	Carcinogenic; Toxic for reproduction

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
26	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)*	12656-85-8	235-759-9	0.01	Carcinogenic; Toxic for reproduction
27	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	215-693-7	0.01	Carcinogenic; Toxic for reproduction
28	Tris(2-chloroethyl) phosphate	115-96-8	204-118-5	0.01	Toxic for reproduction
29	Coal tar pitch, high temperature	65996-93-2	266-028-2	0.01	Carcinogenic, PBT, vPvB
30	Acrylamide	79-06-1	201-173-7	0.01	Carcinogenic; Mutagenic
31	Trichloroethylene	79-01-6	201-167-4	0.01	Carcinogenic
32	Boric acid*	10043-35-3, 11113-50-1	233-139-2 / 234-343-4	0.01	Toxic for reproduction
33	Disodium tetraborate, anhydrous*	1330-43-4(5), 12179-04-3(6), 1303-96-4(7)	215-540-4	0.01	Toxic for reproduction
34	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	235-541-3	0.01	Toxic for reproduction
35	Sodium chromate*	7775-11-3	231-889-5	0.01	Carcinogenic; Mutagenic; Toxic for reproduction
36	Potassium chromate*	7789-00-6	232-140-5	0.01	Carcinogenic; Mutagenic
37	Ammonium dichromate*	7789-09-5	232-143-1	0.01	Carcinogenic; Mutagenic; Toxic for reproduction
38	Potassium dichromate*	7778-50-9	231-906-6	0.01	Carcinogenic; Mutagenic; Toxic for reproduction
39	Cobalt(II) sulphate*	10124-43-3	233-334-2	0.01	Carcinogenic; Toxic for reproduction
40	Cobalt(II) dinitrate*	10141-05-6	233-402-1	0.01	Carcinogenic; Toxic for reproduction
41	Cobalt(II) carbonate*	513-79-1	208-169-4	0.01	Carcinogenic; Toxic for reproduction
42	Cobalt(II) diacetate*	71-48-7	200-755-8	0.01	Carcinogenic; Toxic for reproduction
43	2-Methoxyethanol	109-86-4	203-713-7	0.01	Toxic for reproduction
44	2-Ethoxyethanol	110-80-5	203-804-1	0.01	Toxic for reproduction
45	Chromium trioxide*	1333-82-0	215-607-8	0.01	Carcinogenic; Mutagenic
46	Acid generated from chromium trioxide and their oligomers: Chromic acid* Dichromic acid* Oligomers of chromic acid and dichromic acid*	7738-94-5 13530-68-2 -	231-801-5 236-881-5 -	0.01	Carcinogenic
47	2-Ethoxyethyl acetate	111-15-9	203-839-2	0.01	Toxic for reproduction
48	Strontium Chromate*	7789-06-2	232-142-6	0.01	Carcinogenic

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
49	1,2-benzenedicarboxylic acid, di-C7-11 branched alkyl ester and linear alkyl ester	68515-42-4	271-084-6	0.01	Toxic for reproduction
50	Hydrazine	302-01-2 7803-57-8	206-114-9	0.01	Carcinogenic
51	1-Methyl-2-pyrrolidone	872-50-4	212-828-1	0.01	Toxic for reproduction
52	1,2,3-trichloropropane	96-18-4	202-486-1	0.01	Toxic for reproduction
53	1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl ester, C7-rich (DIHP)	71888-89-6	276-158-1	0.01	Toxic for reproduction
54	Dichromium tris(chromate)*	24613-89-6	246-356-2	0.01	Carcinogenic
55	Potassium hydroxyoctaoxodizincated i-chromate*	11103-86-9	234-329-8	0.01	Carcinogenic
56	Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	0.01	Carcinogenic
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	0.01	Carcinogenic
58	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	0.01	Toxic for reproduction
59	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	0.01	Carcinogenic
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	205-426-2	0.01	Equivalent level of concern
61	1,2-Dichloroethane	107-06-2	203-458-1	0.01	Carcinogenic
62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	0.01	Toxic for reproduction
63	Arsenic acid*	7778-39-4	231-901-9	0.01	Carcinogenic
64	Calcium arsenate*	7778-44-1	231-904-5	0.01	Carcinogenic
65	Trilead diarsenate*	3687-31-8	222-979-5	0.01	Carcinogenic; Toxic for reproduction
66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	0.01	Toxic for reproduction
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	0.01	Carcinogenic
68	Phenolphthalein	77-09-8	201-004-7	0.01	Carcinogenic
69	Lead azide, Lead diazide*	13424-46-9	236-542-1	0.01	Toxic for reproduction
70	Lead styphnate*	15245-44-0	239-290-0	0.01	Toxic for reproduction
71	Lead dipicrate*	6477-64-1	229-335-2	0.01	Toxic for reproduction
72	1,2-bis(2- methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	0.01	Toxic for reproduction
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	0.01	Toxic for reproduction
74	Diboron trioxide*	1303-86-2	215-125-8	0.01	Toxic for reproduction

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
75	Formamide	75-12-7	200-842-0	0.01	Toxic for reproduction
76	Lead(II) bis(methanesulfonate)*	17570-76-2	401-750-5	0.01	Toxic for reproduction
77	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione) §	2451-62-9	219-514-3	0.01	Mutagenic
78	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5- triazine-2,4,6-(1H,3H,5H)-trione) §	59653-74-6	423-400-0	0.01	Mutagenic
79	4,4'-bis(dimethylamino)benzo phenome (Michler's ketone)	90-94-8	202-027-5	0.01	Carcinogenic
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	0.01	Carcinogenic
81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohex a-2,5-dien-1-ylidene]dimethylammoniu m chloride (C.I. Basic Violet 3)	548-62-9	208-953-6	0.01	Carcinogenic
82	[4-[[4-anilino-1- naphthyl][4-(dimethylamino) phenyl]methylene]cycloh exa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	219-943-6	0.01	Carcinogenic
83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalen e-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	0.01	Carcinogenic
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	209-218-2	0.01	Carcinogenic
85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	214-604-9	0.01	Persistent, bioaccumulative and toxic; very persistent and very bioaccumulative
86	N,N-dimethylformamide; dimethyl formamide	68-12-2	200-679-5	0.01	Toxic for reproduction
87	Methoxy acetic acid	625-45-6	210-894-6	0.01	Toxic for reproduction ; equivalent level of concern
88	Dibutyltin dichloride (DBT)*	683-18-1	211-670-0	0.01	Toxic for reproduction

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
89	1,2-Diethoxyethane	629-14-1	211-076-1	0.01	Toxic for reproduction
90	Hexahydro-2-benzofuran-1,3-dione (HHPA), cis-cyclohexane-1,2- dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7, 13149-00-3, 14166-21-3	201-604-9, 236-086-3, 238-009-9	0.01	Equivalent level of concern
91	Hexahydromethylphathalic anhydride,Hexahydro-4-methylphathalic anhydride, Hexahydro-1-methylphathalic anhydride, Hexahydro-3- methylphathalic anhydride	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	247-094-1, 243-072-0, 256-356-4, 260-566-1	0.01	Equivalent level of concern
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	-	-	0.01	Equivalent level of concern
93	Heptacosafluorotetradecan oic acid	376-06-7	206-803-4	0.01	Very persistent and very bioaccumulative
94	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear +	84777-06-0	284-032-2	0.01	Toxic for reproduction
95	Henicosafluoroundecanoic acid	2058-94-8	218-165-4	0.01	Very persistent and very bioaccumulative
96	N-pentyl-isopentylphtalate (iPnPP) +	776297-69-9	-	0.01	Toxic for reproduction
97	Pentacosafluorotridecanoic acid	72629-94-8	276-745-2	0.01	Very persistent and very bioaccumulative
98	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	-	-	0.01	Equivalent level of concern

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
99	Tricosafluorododecanoic acid	307-55-1	206-203-2	0.01	Very persistent and very bioaccumulative
100	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	0.01	Toxic for reproduction
101	Lead tetroxide (orange lead)*	1314-41-6	215-235-6	0.01	Toxic for reproduction
102	Diethyl sulphate	64-67-5	200-589-6	0.01	Carcinogenic; Mutagenic
103	Dinoseb	88-85-7	201-861-7	0.01	Toxic for reproduction
104	Lead Titanium Zirconium Oxide*	12626-81-2	235-727-4	0.01	Toxic for reproduction
105	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	0.01	Toxic for reproduction
106	Furan	110-00-9	203-727-3	0.01	Carcinogenic
107	N-methylacetamide	79-16-3	201-182-6	0.01	Toxic for reproduction
108	o-Toluidine; 2-Aminotoluene	95-53-4	202-429-0	0.01	Carcinogenic
109	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3- oxazolidine	143860-04-2	421-150-7	0.01	Toxic for reproduction
110	4,4'-oxydianiline and its salts	101-80-4	202-977-0	0.01	Carcinogenic; Mutagenic
111	[Phthalato(2-)]dioxotrilead (Dibasic lead phthalate)*	69011-06-9	273-688-5	0.01	Toxic for reproduction
112	Lead titanium trioxide*	12060-00-3	235-038-9	0.01	Toxic for reproduction
113	Lead oxide sulphate*	12036-76-9	234-853-7	0.01	Toxic for reproduction
114	Lead dinitrate*	10099-74-8	233-245-9	0.01	Toxic for reproduction
115	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	200-453-6	0.01	Carcinogenic
116	Lead cyanamidate*	20837-86-9	244-073-9	0.01	Toxic for reproduction
117	Tetralead trioxide sulphate*	12202-17-4	235-380-9	0.01	Toxic for reproduction
118	4-methyl-m- phenylenediamine (2,4-toluene-diamine)	95-80-7	202-453-1	0.01	Carcinogenic
119	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	0.01	Toxic for reproduction
120	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	215-290-6	0.01	Toxic for reproduction
121	Dimethyl sulphate	77-78-1	201-058-1	0.01	Carcinogenic
122	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	0.01	Toxic for reproduction
123	Silicic acid, barium salt, lead-doped*	68784-75-8	272-271-5	0.01	Toxic for reproduction
124	Biphenyl-4-ylamine	92-67-1	202-177-1	0.01	Carcinogenic
125	Lead oxide (lead monoxide)*	1317-36-8	215-267-0	0.01	Toxic for reproduction
126	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	0.01	Toxic for reproduction
127	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	200-879-2	0.01	Carcinogenic; Mutagenic
128	Silicic acid, lead salt*	11120-22-2	234-363-3	0.01	Toxic for reproduction
129	Trilead dioxide phosphonate*	12141-20-7	235-252-2	0.01	Toxic for reproduction
130	o-aminoazotoluene	97-56-3	202-591-2	0.01	Carcinogenic
131	1-bromopropane	106-94-5	203-445-0	0.01	Toxic for reproduction

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
132	6-methoxy-m-toluidine (p- cresidine)	120-71-8	204-419-1	0.01	Carcinogenic
133	4,4'-methylenedi-o- toluidine	838-88-0	212-658-8	0.01	Carcinogenic
134	Tetraethyllead*	78-00-2	201-075-4	0.01	Toxic for reproduction
135	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	0.01	Toxic for reproduction
136	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	0.01	Toxic for reproduction
137	Diisopentylphthalate +	605-50-5	210-088-4	0.01	Toxic for reproduction
138	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	0.01	Equivalent level of concern
139	Cadmium*	7440-43-9	231-152-8	0.01	Carcinogenic; Equivalent level of concern
140	Cadmium oxide*	1306-19-0	215-146-2	0.01	Carcinogenic; Equivalent level of concern
141	Dipentyl phthalate (DPP) +	131-18-0	205-017-9	0.01	Toxic for reproduction
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	Equivalent level of concern
143	Ammonium pentadecafluorooctanoate (APFO) ≠	3825-26-1	223-320-4	0.01	Toxic for reproduction; PBT
144	Pentadecafluorooctanoic acid (PFOA) ≠	335-67-1	206-397-9	0.01	Toxic for reproduction; PBT
145	Cadmium sulphide	1306-23-6	215-147-8	0.01	Carcinogenic; Equivalent level of concern
146	Dihexyl phthalate	84-75-3	201-559-5	0.01	Toxic for reproduction
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	0.01	Carcinogenic
148	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	0.01	Carcinogenic
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	202-506-9	0.01	Toxic for reproduction
150	Lead di(acetate)	301-04-2	206-104-4	0.01	Toxic for reproduction
151	Trixylyl phosphate	25155-23-1	246-677-8	0.01	Toxic for reproduction

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
152	Cadmium chloride*	10108-64-2	233-296-7	0.01	Carcinogenic; Mutagenic; Toxic for Reproduction; Equivalent level of concern having probable serious effects to human health
153	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear++	68515-50-4	271-093-5	0.01	Toxic for reproduction
154	Sodium peroxometaborate*	7632-04-4	231-556-4	0.01	Toxic for reproduction
155	Sodium perborate; perboric acid, sodium salt*	-	239-172-9; 234-390-0	0.01	Toxic for reproduction
156	Cadmium fluoride *	7790-79-6	232-222-0	0.01	Carcinogenic; Mutagenic; Toxic for Reproduction; Equivalent level of concern having probable serious effects to human health
157	Cadmium sulphate *	10124-36-4; 31119-53-6	233-331-6	0.01	Carcinogenic; Mutagenic; Toxic for Reproduction; Equivalent level of concern having probable serious effects to human health
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV- 320)	3846-71-7	223-346-6	0.01	PBT; vPvB
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	0.01	PBT; vPvB
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5- dithia-4-stannatetradecanoate (DOTE) *	15571-58-1	239-622-4	0.01	Toxic for Reproduction
161	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	Toxic for Reproduction
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	Toxic for reproduction

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
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	Very persistent and very bioaccumulative
164	1,3-propanesultone	1120-71-4	214-317-9	0.01	Carcinogenic
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2- yl)phenol (UV-327)	3864-99-1	223-383-8	0.01	vPvB
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec- butyl)phenol (UV-350)	36437-37-3	253-037-1	0.01	vPvB
167	Nitrobenzene	98-95-3	202-716-0	0.01	Toxic for reproduction
168	Perfluorononan-1-oic acid acid and its sodium and ammonium salts	375-95-1; 21049-39-8; 4149-60-4	206-801-3	0.01	Toxic for reproduction; PBT
169	Benzo[def]chrysene (benzo[a]pyrene)	200-028-5	50-32-8	0.01	Carcinogenic; Mutagenic; Toxic for Reproduction; PBT; vPvB
170	4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	201-245-8	0.01	Toxic for reproduction
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)	-	-	0.01	Equivalent level of concern having probable serious effects to the environment
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	0.01	Toxic for reproduction; PBT
173	p-(1,1-dimethylpropyl)phenol (PTAP)	80-46-6	201-280-9	0.01	Equivalent level of concern having probable serious effects to the environment

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	-	0.01	vPvB
175	Chrysene	218-01-9	205-923-4	0.01	Carcinogenic; PBT; vPvB
176	Benz[a]anthracene	56-55-3	200-280-6	0.01	Carcinogenic; PBT; vPvB
177	Cadmium nitrate	10325-94-7	233-710-6	0.01	Carcinogenic; Mutagenic Specific target organ toxicity after repeated exposure
178	Cadmium hydroxide	21041-95-2	244-168-5	0.01	Carcinogenic; Mutagenic Specific target organ toxicity after repeated exposure
179	Cadmium carbonate	513-78-0	208-168-9	0.01	Carcinogenic; Mutagenic Specific target organ toxicity after repeated exposure
180	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"TM) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	-	0.01	vPvB
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	-	-	0.01	Endocrine disrupting properties
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	209-008-0	0.01	Respiratory sensitising properties
183	Dicyclohexyl Phthalate (DCHP)	84-61-7	201-545-9	0.01	Toxic for reproduction Endocrine disrupting properties
184	Benzo[ghi]perylene	191-24-2	205-883-8	0.01	PBT, vPvB
185	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	0.01	PBT, vPvB
186	Disodium octaborate	12008-41-2	234-541-0	0.01	Toxic for reproduction
187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	0.01	PBT, vPvB
188	Ethylenediamine	107-15-3	203-468-6	0.01	Respiratory sensitising properties

No.	Substance name	CAS No.	EC No.	Detection Limit (%)	Basis for identification as a SVHC
189	Lead	7439-92-1	231-100-4	0.01	Toxic for reproduction
190	Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	0.01	PBT, vPvB
191	Terphenyl hydrogenated	61788-32-7	262-967-7	0.01	vPvB
192	2,2-bis(4-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	0.01	Toxic for reproduction
193	Benzo[k]fluoranthene	207-08-9	205-916-6	0.01	Carcinogenic, PBT, vPvB
194	Fluoranthene	206-44-0	205-912-4	0.01	PBT, vPvB
195	Phenanthrene	85-01-8	201-581-5	0.01	vPvB
196	Pyrene	129-00-0 1718-52-1	204-927-3	0.01	PBT, vPvB
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	0.01	Endocrine disrupting properties
198	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	0.01	Endocrine disrupting properties
199	4-tert-butylphenol	98-54-4	202-679-0	0.01	Endocrine disrupting properties
200	2-methoxyethyl acetate	110-49-6	203-772-9	0.01	Toxic for reproduction
201	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	-	-	0.01	Endocrine disrupting properties
202	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	0.01	Carcinogenic,mutagenic, reprotoxic, persistent, bioaccumulative, PBT, vPvB
203	Diisohexyl phthalate	71850-09-4	276-090-2	0.01	Toxic for reproduction
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	0.01	Toxic for reproduction
205	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	0.01	Toxic for reproduction
206	1-Vinylimidazole	1072-63-5	214-012-0	0.01	Toxic for reproduction
207	2-Methylimidazole	693-98-1	211-765-7	0.01	Toxic for reproduction
208	Butyl 4-hydroxybenzoate	94-26-8	202-318-7-4	0.01	Endocrine disrupting properties
209	Dibutylbis (pentane-2,4-dionato-O,O')tin	22673-19-4	245-152-0	0.01	Toxic for reproduction

(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

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. ND = Not Detected
4. *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.
5. **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.
6. §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.
7. 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 (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight.
8. bRefer 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 (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight.
9. +[1,2-Benzenedicarboxylic acid, dipentylester, branched and linear] is a mixture of phthalates contains DPP, DIPP and N-pentyl-isopentylphtalate.
10. ≠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.
11. ++[1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear] is a mixture of phthalates contains dihexyl phthalate.
12. ɒResult is based on the tin metal concentration, and further confirmation for checking DBT, DOTE & MOTE concentration.

Test Report

Report No.: NB2020073349 **Date: July 15, 2020**

Samples photograph

NB2020073349

NBTS authenticate the photograph on original report only

*** End of Report ***

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