CPST

Test Report

No. C190402010001 Date: Apr 09, 2019 Page 1 of 40

Applicant: Shanghai Terabit Technology Co., Ltd

Applicant Address: #219 38th Building, No. 2049 Pujin Road, Pujiang Town, Minhang District, 201112, Shanghai

The following samples were submitted and identified on behalf of the clients as

Sample Name:	Solid State Drive
Model:	SSD SATA
Trade Mark:	Terabit®
CPST Internal Reference No.:	C190402010
Sample Received Date:	Apr 02, 2019
Test Period:	Apr 02, 2019 to Apr 09, 2019
Test Method:	Please refer to next pages.
Test Result:	Please refer to next pages.

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CONCLUSION :

TESTED SAMPLES	TEST ITEM	RESULT
Solid State Drive	1. As specified by client, SVHC screening is performed according to: One hundred and ninety-seven (197) Substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemical Agency (ECHA) on and before Jan 15, 2019 published by European Chemical Agency (ECHA) regarding regulation (EC) No. 1907/2006 concerning the REACH. According to the specified scope and analytical techniques, concentrations of SVHC(197SVHC) are less than 0.1%(w/w) in the sample.	**PASS**

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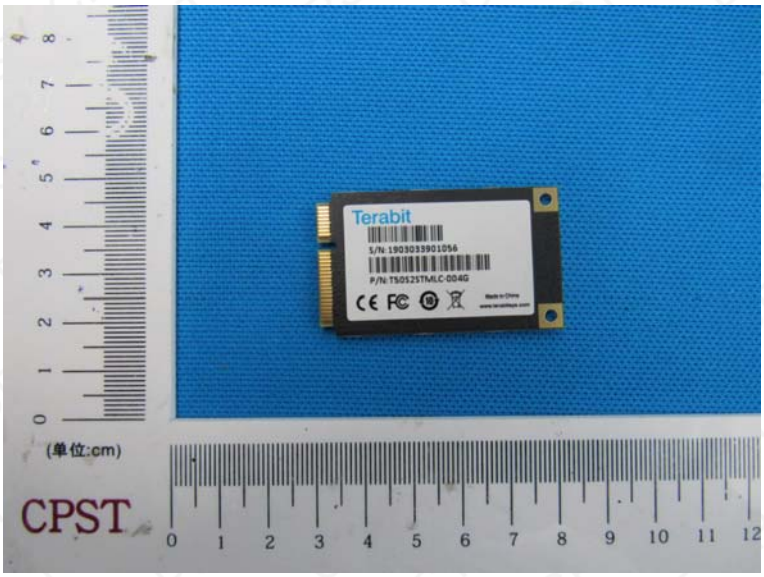
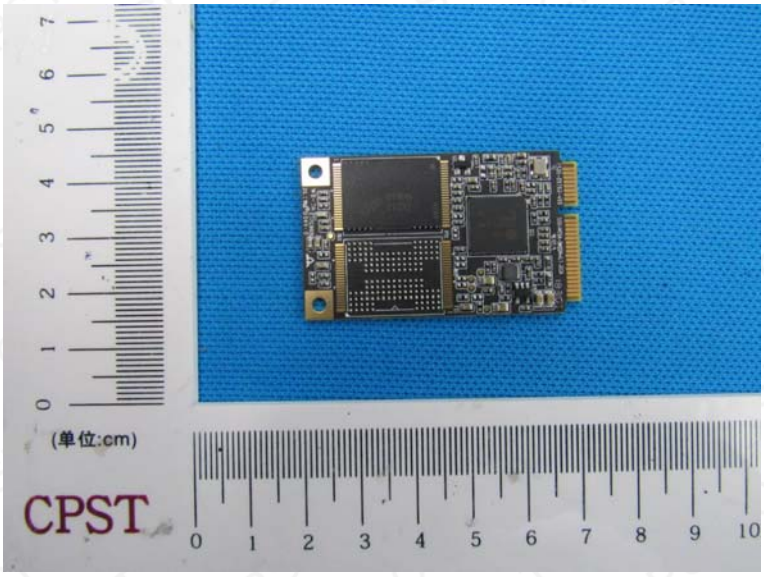
Signed for and on behalf of
Eurones Consumer Products Testing Service Co., Ltd

TESTED BY :	REVIEWED BY:	APPROVED BY:
Andy Wang	Sunshine Liu	Will Pan
Wang Guang Yu, Andy	Liu Xiao Fang, Sunshine	Pan Jian Ding, Will
Project Leader	Report Reviewer	Technical Supervisor

Photo of the Submitted Sample





Code	Test Items	Test Method	SVHC Items
1	Arsenic	EPA 3052, ICP-OES	Diarsenic pentaoxide, Diarsenic trioxide, Triethyl arsenate, Lead hydrogen arsenate, Arsenic acid, Calcium arsenate, Trilead diarsenate
2	Lead	EPA 3052, ICP-OES	Lead hydrogen arsenate, Lead chromate, Lead sulfochromate yellow (C.I.Pigment Yellow 34), Lead chromate molybdate sulphate red (C.I. Pigment Red 104), Trilead diarsenate, Lead dipicrate, Lead (II) bis (methanesulfonate) Lead diazide Lead azide, Lead styphnate, Lead monoxide (Lead oxide), Orange lead (Lead tetroxide), Lead bis(tetrafluoroborate), Lead cynamidate, Trilead bis(carbonate)dihydroxide, Lead titanium trioxide, Lead titanium zirconium oxide, Lead oxide sulfate, Tetraethyllead, [Phthalato(2-)]dioxotrilead, Lead dinitrate, Dioxobis(stearato)trilead, Pentalead tetraoxide sulphate, Tetralead trioxide sulphate, Trilead dioxide phosphonate, Sulfurous acid, lead salt, dibasic Pyrochlore, antimony lead yellow Silicic acid, lead salt Acetic acid, lead salt, basic Fatty acids, C16-18, lead salts, Lead acetate, Lead
3	Molybdenum	EPA 3052, ICP-OES	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)

Code	Test Items	Test Method	SVHC Items
4	Hexavalent Chromium	IEC 62321, UV-VIS	Sodium dichromate, Sodium chromate, Potassium chromate, Mmonium dichromate, Potassium dichromate, Chromium trioxide, Acids generated from chromium trioxide and their oligomers, Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid, Strontium chromate, Lead chromate, Lead sulfochromate yellow (C.I.Pigment Yellow 34), Lead chromate molybdate sulphate red (C.I. Pigment Red 104), Dichromium tris(chromate), Potassium hydroxyoctaoxodizincatedi-chromate Pentazinc chromate octahydroxide
5	Strontium	EPA 3052, ICP-OES	Strontium chromate
6	Cobalt	EPA 3052, ICP-OES	Cobalt dichloride, Cobalt(II) sulphate, Cobalt(II) dinitrate, Cobalt(II) carbonate, Cobalt(II) diacetate
7	Boron	EPA 3052, ICP-OES	Boric acid, Disodium tetraborate, anhydrous,Tetraboron disodium heptaoxide, hydrate, Diboron trioxide, Disodium octaborate tetrahydrate, Sodium perborate; perboric acid, sodium salt, Sodium peroxometaborate
8	Silicon, Aluminum, Zirconium, Barium	EPA 3052, ICP-OES	Aluminosilicate Refractory Ceramic Fibres,Zirconia Aluminosilicate Refractory Ceramic Fibres, Aluminosilicate Refractory Ceramic Fibres (RCF), Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF), Silicic acid, barium salt, leaddoped,

Code	Test Items	Test Method	SVHC Items
9	Bis(tributyltin)oxide (TBTO)	EPA 3540C, GC-MS	Bis(tributyltin)oxide (TBTO)
10	4,4'-Diaminodiphenylmethane (MDA)	EPA 3540C, GC-MS	4,4'-Diaminodiphenylmethane (MDA)
11	5-Tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	EPA 3540C, GC-MS	5-Tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)
12	Dibutyl phthalate (DBP)	EPA 3540C, GC-MS	Dibutyl phthalate (DBP)
13	Benzyl butyl phthalate (BBP)	EPA 3540C, GC-MS	Benzyl butyl phthalate (BBP)
14	Bis(2-ethylhexyl)phthalate (DEHP)	EPA 3540C, GC-MS	Bis (2-ethylhexyl)phthalate (DEHP)
15	1,2-Benzenedicarboxylic acid, Di-C7-11-branchedand linear alkyl esters (DHNUP)	EPA 3540C, GC-MS	1,2-Benzenedicarboxylic acid, Di-C7-11-branchedand linear alkyl esters (DHNUP)
16	Diisobutyl phthalate (DIBP)	EPA 3540C, GC-MS	Diisobutyl phthalate (DIBP)
17	1,2-Benzenedicarboxylic acid, Di-C6-8-branched alkyl esters, C7-rich (DIHP)	EPA 3540C, GC-MS	1,2-Benzenedicarboxylic acid, Di-C6-8-branched alkyl esters, C7-rich (DIHP)
18	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified	EPA 3540C, GC-MS	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified
19	Alkanes, C10-13, chloro (SCCP)	EPA 3540C, GC-MS	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)
20	Anthracene	AfPS GS 2014:01 PAK, GC-MS	Anthracene
21	Anthracene oil	AfPS GS 2014:01 PAK, GC-MS	Anthracene oil
22	Anthracene oil, Anthracene paste, Distn ights	AfPS GS 2014:01 PAK, GC-MS	Anthracene oil, Anthracene paste, Distn ights
23	Anthracene oil, Anthracene paste, Anthracene fraction	AfPS GS 2014:01 PAK, GC-MS	Anthracene oil, Anthracene paste, Anthracene fraction
24	Anthracene oil, Nthracene-low	AfPS GS 2014:01 PAK, GC-MS	Anthracene oil, Nthracene-low

Code	Test Items	Test Method	SVHC Items
25	Anthracene oil, Anthracene paste	AfPS GS 2014:01 PAK, GC-MS	Anthracene oil, Anthracene paste
26	Pitch, Coal tar, High temp.	Distilment	Pitch, Coal tar, High temp.
27	Acrylamide	EPA 3540C, GC-MS	Acrylamide
28	2,4-Dinitrotoluene	EPA 3540C, GC-MS	2,4-Dinitrotoluene
29	Tris(2-chloroethyl)phosphate	EPA 3540C, GC-MS	Tris(2-chloroethyl)phosphate
30	Trichloroethylene	EPA 3540C, GC-MS	Trichloroethylene
31	2-Methoxyethanol	EPA 3540C, GC-MS	2-Methoxyethanol
32	2-Ethoxyethanol	EPA 3540C, GC-MS	2-Ethoxyethanol
33	2-Ethoxyethyl acetate	EPA 3540C, GC-MS	2-Ethoxyethyl acetate
34	Hydrazine	EPA 8260C, HS-GC-MS	Hydrazine
35	1-Methyl-2-pyrrolidone	EPA 3540C, GC-MS	1-Methyl-2-pyrrolidone
36	1,2,3-Trichloropropane	EPA 3540C, GC-MS	1,2,3-Trichloropropane
37	Formaldehyde, Oligomeric reaction products with aniline (technical MDA)	EPA 3540C, HPLC	Formaldehyde, Oligomeric reaction products with aniline (technical MDA)
38	Bis(2-methoxyethyl) phthalate (DMEP)	EPA 3540C, GC-MS	Bis(2-methoxyethyl) phthalate (DMEP)
39	2-Methoxyaniline,o-Anisidine	EPA 3540C, GC-MS	2-Methoxyaniline, o-Anisidine
40	4-(1,1,3,3-Tetramethylbutyl)phenol, (4-tert-Octylphenol)	EPA 3540C, HPLC	4-(1,1,3,3-Tetramethylbutyl)phenol, (4-tert-Octylphenol)
41	1,2-Dichloroethane	GB 18583-2008 Annex E, GC-FID	1,2-Dichloroethane

Code	Test Items	Test Method	SVHC Items
42	Bis(2-methoxyethyl) ether	GB 18582-2008 Annex A, GC-FID	Bis(2-methoxyethyl) ether
43	N,N-dimethylacetamide (DMAC)	EPA 3540C, GC-MS	N,N-dimethylacetamide (DMAC)
44	2,2'-Dchloro-4,4'-methylenedi aniline (MOCA)	EPA 3540C, GC-MS	2,2'-Dchloro-4,4'-methylenedianiline (MOCA)
45	Phenolphthalein	EPA 3540C, HPLC	Phenolphthalein
46	1,2-Bis(2-methoxyethoxy) ethane(TEGDME; triglyme)	EPA 3540C, GC-MS	1,2-Bis(2-methoxyethoxy) ethane(TEGDME; triglyme)
47	1,2-Dimethoxyethane; ethyleneglycol dimethyl ether (EGDME)	EPA 3540C, GC-MS	1,2-Dimethoxyethane; ethyleneglycol dimethyl ether (EGDME)
48	Formamide	EPA 3540C, GC-MS	Formamide
49	TGIC(1,3,5-tris (oxiranylmethyl)-1,3,5-triazin e-2,4,6 (1H,3H,5H)-trione)	EPA 3540C, HPLC	TGIC(1,3,5-tris (oxiranylmethyl)-1,3,5-triazine-2,4,6 (1H,3H,5H)-trione)
50	β-TGIC(1,3,5-tris[(2Sand2R)-2,3-epoxypropyl]-1,3,5-triazin e-2,4,6-(1H,3H,5H)-trione)	EPA 3540C, HPLC	β-TGIC(1,3,5-tris[(2Sand2R)-2,3-epoxypr opyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trion e)
51	4,4'-Bis(dimethylamino) benzophenone(Michler's ketone)	EPA 3540C, GC-MS	4,4'-Bis(dimethylamino) benzophenone(Michler's ketone)
52	N,N,N',N'-tetramethyl-4,4'-m ethylenedianiline (Michler's base)	EPA 3540C, GC-MS	N,N,N',N'-tetramethyl-4,4'-methylenedianil ine (Michler's base)
53	[4-[4,4'-Bis(dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I.Basic Violet 3)	EPA 3540C, HPLC	[4-[4,4'-Bis(dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene]dimethylam monium chloride (C.I.Basic Violet 3)
54	[4-[[4-Anilino-1-naphthyl][4-(d imethylamino)phenyl]methyle ne]cyclohexa-2,5-dien-1-ylide	EPA 3540C, HPLC	[4-[[4-Anilino-1-naphthyl][4-(dimethylamin o)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride

Code	Test Items	Test Method	SVHC Items
	ne]dimethylammonium chloride (C.I.Basic Blue 26)		(C.I.Basic Blue 26)
55	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene -1-methanol (C.I. Solvent Blue 4)	EPA 3540C, HPLC	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)
56	4,4'-Bis(dimethylamino)-4''-(methylamino)trityl alcohol1	EPA 3540C, GC-MS	4,4'-Bis(dimethylamino)-4''-(methylamino)trityl alcohol1
57	Bis(pentabromophenyl) ether (DecaBDE)	EPA 3540C, GC-MS	Bis(pentabromophenyl) ether (DecaBDE)
58	Pentacosafluorotridecanoic acid	EPA 3540C, HPLC	Pentacosafluorotridecanoic acid
59	Tricosafluorododecanoic acid	EPA 3540C, HPLC	Tricosafluorododecanoic acid
60	Henicosafluoroundecanoic acid	EPA 3540C, HPLC	Henicosafluoroundecanoic acid
61	Heptacosafluorotetradecanoic acid	EPA 3540C, HPLC	Heptacosafluorotetradecanoic acid
62	Diazene-1,2-dicarboxamide(C,C'-azodi(formamide))	EPA 3540C, HPLC	Diazene-1,2-dicarboxamide(C,C'-azodi(formamide))
63	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].	EPA 3540C, GC-MS	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].

Code	Test Items	Test Method	SVHC Items
64	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]	EPA 3540C, GC-MS	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]
65	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]	EPA 3540C, GC-MS	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]
66	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	EPA 3540C, GC-MS	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]
67	Methoxyacetic acid	EPA 3540C, GC-MS	Methoxyacetic acid
68	N,N-dimethylformamide	EPA 3540C, GC-MS	N,N-dimethylformamide

Code	Test Items	Test Method	SVHC Items
69	Dibutyltin dichloride (DBTC)	EPA 3540C, GC-MS	Dibutyltin dichloride (DBTC)
70	1-bromopropane (n-propyl bromide)	EPA 3540C, GC-MS	1-bromopropane (n-propyl bromide)
71	Methyloxirane (Propylene oxide)	EPA 3540C, GC-MS	Methyloxirane (Propylene oxide)
72	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	EPA 3540C, GC-MS	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear
73	Diisopentylphthalate (DIPP)	EPA 3540C, GC-MS	Diisopentylphthalate (DIPP)
74	N-pentyl-isopentylphthalate	EPA 3540C, GC-MS	N-pentyl-isopentylphthalate
75	1,2-diethoxyethane	EPA 3540C, GC-MS	1,2-diethoxyethane
76	Furan	EPA 3540C, GC-MS	Furan
77	Diethyl sulphate	EPA 3540C, GC-MS	Diethyl sulphate
78	Dimethyl sulphate	EPA 3540C, GC-MS	Dimethyl sulphate
79	3-Ethyl-2-methyl-2-(3-methyl butyl)-1,3-oxazolidine	EPA 3540C, GC-MS	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine
80	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	EPA 3540C, GC-MS	Dinoseb (6-sec-butyl-2,4-dinitrophenol)
81	4,4'-Methylenedi-o-toluidine	EPA 3540C, GC-MS	4,4'-Methylenedi-o-toluidine
82	4,4'-Oxydianiline and its salts	EPA 3540C, GC-MS	4,4'-Oxydianiline and its salts
83	4-Aminoazobenzene	EPA 3540C, GC-MS	4-Aminoazobenzene
84	4-Methyl-m-phenylenediamine (toluene-2,4-diamine)	EPA 3540C, GC-MS	4-Methyl-m-phenylenediamine (toluene-2,4-diamine)
85	6-Methoxy-m-toluidine (p-cresidine)	EPA 3540C, GC-MS	6-Methoxy-m-toluidine (p-cresidine)

Code	Test Items	Test Method	SVHC Items
86	Biphenyl-4-ylamine	EPA 3540C, GC-MS	Biphenyl-4-ylamine
87	o-Aminoazotoluene [(4-o-tolylazo-o-toluidine))	EPA 3540C, GC-MS	o-Aminoazotoluene [(4-o-tolylazo-o-toluidine))
88	o-Toluidine	EPA 3540C, GC-MS	o-Toluidine
89	N-Methylacetamide	EPA 3540C, GC-MS	N-Methylacetamide
90	Cadmium	EPA 3052, ICP-OES	Cadmium , Cadmium oxide, Cadmium chloride,Cadmium fluoride ,Cadmium sulphide,Cadmium sulfate, Cadmium nitrate, Cadmium carbonate, Cadmium hydroxide
91	Dipentyl phthalate (DPP)	EPA 3540C, GC-MS	Dipentyl phthalate (DPP)
92	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]	EPA 3540C, GC-MS	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]
93	Ammonium pentadecafluorooctanoate (APFO)	EPA 3540C, GC-MS	Ammonium pentadecafluorooctanoate (APFO)
94	Pentadecafluorooctanoic acid (PFOA)	EPA 3540C, GC-MS	Pentadecafluorooctanoic acid (PFOA)
95	Di-n-hexyl phthalate(DHXP)	EPA 3540C, GC-MS	Di-n-hexyl phthalate(DHXP)

Code	Test Items	Test Method	SVHC Items
96	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate(C.I.Direct Red 28)	EPA 3540C, HPLC	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate(C.I.Direct Red 28)
97	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)	EPA 3540C, HPLC	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)
98	2-Imidazolidinethione	EPA 3540C, HPLC	2-Imidazolidinethione
99	Trixylyl phosphate	EPA 3540C, GC-MS	Trixylyl phosphate
100	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	EPA 3540C, GC-MS	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear
101	ultraviolet absorbent UV-320	EPA 3540C, HPLC	ultraviolet absorbent UV-328
102	ultraviolet absorbent UV-320	EPA 3540C, HPLC	ultraviolet absorbent UV-320
103	DOTE	EPA 3540C, HPLC	DOTE
104	DOTE and MOTEreaction product	EPA 3540C, HPLC	DOTE and MOTEreaction product
105	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)	EPA 3540C, GC-MS	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)

Code	Test Items	Test Method	SVHC Items
106	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]	EPA 3540C, HPLC	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]
107	1,3-propanesultone	EPA 3540C, HPLC	1,3-propanesultone
108	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	EPA 3540C, HPLC	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)
109	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	EPA 3540C, HPLC	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)
110	Nitrobenzene	EPA 3540C, HPLC	Nitrobenzene
111	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	EPA 3540C, HPLC	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
112	Benzo[def]chrysene (Benzo[a]pyrene)(BaP)	AfPS GS 2014:01 PAK, GC-MS	Benzo[def]chrysene (Benzo[a]pyrene)(BaP)
113	4,4'-isopropylidenediphenol (bisphenol A)(BPA)	EPA 3540C, HPLC	4,4'-isopropylidenediphenol (bisphenol A)

Code	Test Items	Test Method	SVHC Items
114	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)	EPA 3540C, HPLC	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)
115	p-(1,1-dimethylpropyl)phenol	EPA 3540C, HPLC	p-(1,1-dimethylpropyl)phenol
116	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	EPA 3540C, HPLC	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts
117	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	EPA 3540C, HPLC	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)
118	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	EPA 3540C, HPLC	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)
119	Benz[a]anthracene	AfPS GS 2014:01 PAK, GC-MS	Benz[a]anthracene
120	Chrysene	AfPS GS 2014:01 PAK, GC-MS	Chrysene
121	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]	EPA 3540C, HPLC	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]
122	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride(TMA)	EPA 3540C, GC-MS	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride(TMA)

Code	Test Items	Test Method	SVHC Items
123	Dicyclohexyl phthalate(DCHP)	EPA 3540C, GC-MS	Dicyclohexyl phthalate(DCHP)
124	Benzo[g,h,i]perylene	Afps GS 2014:01 PAK, GC-MS	Benzo[g,h,i]perylene
125	Octamethylcyclotetrasiloxane (D4)	EPA 3540C, GC-MS	Octamethylcyclotetrasiloxane(D4)
126	Decamethylcyclopentasiloxane(D5)	EPA 3540C, GC-MS	Decamethylcyclopentasiloxane(D5)
127	Dodecamethylcyclohexasiloxane(D6)	EPA 3540C, GC-MS	Dodecamethylcyclohexasiloxane(D6)
128	Ethylenediamine	EPA 3540C, GC-MS	Ethylenediamine
129	Terphenyl, hydrogenated	EPA 3540C, GC-MS	Terphenyl, hydrogenated
130	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	EPA 3540C, HPLC	2,2-bis(4'-hydroxyphenyl)-4-methylpentane
131	Benzo[[k]fluoranthene(BkF)	Afps GS 2014:01 PAK, GC-MS	Benzo[[k]fluoranthene(BkF)
132	Fluoranthene(FLT)	Afps GS 2014:01 PAK, GC-MS	Fluoranthene(FLT)
133	Phenanthrene(PHE)	Afps GS 2014:01 PAK, GC-MS	Phenanthrene(PHE)
134	Pyrene(PYR)	Afps GS 2014:01 PAK, GC-MS	Pyrene(PYR)
135	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	EPA 3540C, HPLC	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)

Test Result(s):

Description of Specimen : Solid State Drive(whole test)

The first fourteen substances of SVHC (Released in Oct, 2008)

No.	Test Item	CAS No.	SVHC classification	RL % (w/w)	Results %(w/w)	Limit %(w/w)
1	Bis(tributyltin)oxide (TBTO)	56-35-9	PBT	0.020	N.D.	0.1
2	Diarsenic pentaoxide**	1303-28-2	Carcinogen Cat.1	0.020	N.D.	0.1
3	Diarsenic trioxide**	1327-53-3	Carcinogen Cat.1	0.020	N.D.	0.1
4	Triethyl arsenate**	15606-95-8	Carcinogen Cat.1	0.020	N.D.	0.1
5	Lead hydrogen arsenate**	7784-40-9	Toxic to Reproduction Cat.1;Carcinogen Cat.1	0.020	N.D.	0.1
6	Cobalt dichloride**	7646-79-9	Carcinogen Cat.2	0.020	N.D.	0.1
7	Sodium dichromate **	7789-12-0, 10588-01-9	Carcinogen Cat.2; Mutagen Cat.2; Toxic to Reproduction Cat.2	0.020	N.D.	0.1
8	Anthracene	120-12-7	PBT	0.020	N.D.	0.1
9	4,4'-Diaminodiphenylmethane (MDA)	101-77-9	Carcinogen Cat.2	0.020	N.D.	0.1
10	Dibutyl phthalate (DBP)	84-74-2	Toxic to Reproduction Cat.2	0.020	N.D.	0.1
11	Benzyl butyl phthalate (BBP)	85-68-7	Toxic to Reproduction Cat.2	0.020	N.D.	0.1
12	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	VPvB	0.020	N.D.	0.1
13	Hexabromocyclododecane(HBCDD) and all major diastereoisomers identified	25637-99-4, 3194-55-6(134237-50-6, 134237-51-7, 134237-52-8)	PBT	0.020	N.D.	0.1
14	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) （SCCP）	85535-84-8	PBT; vPvB	0.020	N.D.	0.1

The second thirteen substances of SVHC (Released in Jan, 2010 and Mar, 2010)

No.	Test Item	CAS No.	SVHC classification	RL % (w/w)	Results %(w/w)	Limit %(w/w)
15	Anthracene oil	90640-80-5	PBT	0.020	N.D.	0.1
16	Anthracene oil, Anthracene paste, Distn, lights	91995-17-4	PBT	0.020	N.D.	0.1
17	Anthracene oil, Anthracene paste, Anthracene fraction	91995-15-2	PBT	0.020	N.D.	0.1
18	Anthracene oil, Anthracene-low	90640-82-7	PBT	0.020	N.D.	0.1
19	Anthracene oil, Anthracene paste	90640-81-6	PBT	0.020	N.D.	0.1
20	Pitch, Coal tar, High temp.	65996-93-2	PBT	0.020	N.D.	0.1
21	Acrylamide	79-06-1	Mutagen Category 2	0.020	N.D.	0.1
22	2,4-Dinitrotoluene	121-14-2	Carcinogen Cat.2	0.020	N.D.	0.1
23	Diisobutyl phthalate(DIBP)	84-69-5	Toxic to Reproduction Cat.2	0.020	N.D.	0.1
24	Lead chromate**	7758-97-6	Toxic to Reproduction Cat.1; Carcinogen Cat.2	0.020	N.D.	0.1
25	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) **	12656-85-8	Toxic to Reproduction Cat.1; Carcinogen Cat.2	0.020	N.D.	0.1
26	Lead sulfochromate yellow (C.I.Pigment Yellow 34) **	1344-37-2	Toxic to Reproduction Cat.1; Carcinogen Cat.2	0.020	N.D.	0.1
27	Tris(2-chloroethyl)phosphate	115-96-8	Toxic to Reproduction Cat.2	0.020	N.D.	0.1

The third eight substances of SVHC (Released in Jun, 2010)

No.	Test Item	CAS No.	SVHC classification	RL % (w/w)	Results %(w/w)	Limit %(w/w)
28	Trichloroethylene	79-01-6	Carcinogen Cat.2	0.020	N.D.	0.1
29	Boric acid**	10043-35-3/ 11113-50-1	Toxic to Reproduction Cat.2	0.020	N.D.	0.1
30	Disodium tetraborate, anhydrous**	1330-43-4/ 12179-04-3/ 1303-96-4	Toxic to Reproduction Cat.2	0.020	N.D.	0.1
31	Tetraboron disodium heptaoxide, Hydrate**	12267-73-1	Toxic to Reproduction Cat.2	0.020	N.D.	0.1
32	Sodium chromate**	7775-11-3	Carcinogen Cat.2; Mutagen Category 2; Toxic to Reproduction Cat.2	0.020	N.D.	0.1
33	Potassium chromate**	7789-00-6	Carcinogen Cat.2; Mutagen Category 2	0.020	N.D.	0.1
34	Ammonium dichromate**	7789-09-5	Carcinogen Cat.2; Mutagen Category 2; Toxic to Reproduction Cat.2	0.020	N.D.	0.1
35	Potassium dichromate**	7778-50-9	Carcinogen Cat.2; Mutagen Category 2; Toxic to Reproduction Cat.2	0.020	N.D.	0.1

The fourth eight substances of SVHC (Released in Dec, 2010)

No.	Test Item		CAS No.	SVHC classification	RL % (w/w)	Results %(w/w)	Limit %(w/w)
36	Cobalt(II) sulphate**		10124-43-3	Carcinogenic and toxic to reproduction in accordance with REACH Art. 57(a) and 57(c)	0.020	N.D.	0.1
37	Cobalt(II) dinitrate**		10141-05-6	Carcinogenic and toxic to reproduction in accordance with REACH Art. 57(a) and 57(c)	0.020	N.D.	0.1
38	Cobalt(II) carbonate**		513-79-1	Carcinogenic and toxic to reproduction in accordance with REACH Art. 57(a) and 57(c)	0.020	N.D.	0.1
39	Cobalt(II) diacetate**		71-48-7	Carcinogenic and toxic to reproduction in accordance with REACH Art. 57(a) and 57(c)	0.020	N.D.	0.1
40	2-Methoxyethanol		109-86-4	Toxic to reproduction in accordance with REACH Art. 57(c)	0.020	N.D.	0.1
41	2-Ethoxyethanol		110-80-5	Toxic to reproduction in accordance with REACH Art. 57(c)	0.020	N.D.	0.1
42	Chromium trioxide**		1333-82-0	Carcinogenic and mutagenic in accordance with REACH Art. 57(a) and 57(b)	0.020	N.D.	0.1
43	Acids generated from chromium trioxide and their oligomers	Chromic acid**	7738-94-5	Carcinogenic in accordance with REACH Art.57(a)	0.020	N.D.	0.1
		Dichromic acid**	13530-68-2		0.020	N.D.	0.1
		Oligomers of chromic acid and dichromic acid**	--		0.020	N.D.	0.1

The fifth seven substances of SVHC (Released in Jun, 2011)

No.	Test Item	CAS No.	SVHC classification	RL % (w/w)	Results %(w/w)	Limit %(w/w)
44	2-Ethoxyethyl acetate	111-15-9	Toxic to reproduction, cat. 2	0.020	N.D.	0.1
45	Strontium chromate**	7789-06-2	Carcinogen, cat. 2	0.020	N.D.	0.1
46	1,2-Benzenedicarboxylic acid,di-C7-11-branched and linear alkyl esters(DHNUP)*	68515-42-4	Toxic to reproduction, cat. 2	0.020	N.D.	0.1
47	Hydrazine	7803-57-8 302-01-2	Carcinogen, cat. 2	0.020	N.D.	0.1
48	1-Methyl-2-pyrrolidone	872-50-4	Toxic to reproduction, cat. 2	0.020	N.D.	0.1
49	1,2,3-Trichloropropane	96-18-4	Toxic to reproduction, cat. 2	0.020	N.D.	0.1
50	1,2-Benzenedicarboxylic acid, Di-C6-8-branched alkyl esters, C7-rich(DIHP)*	71888-89-6	Toxic to reproduction, cat. 2	0.020	N.D.	0.1

The sixth twenty substances of SVHC (Released in Dec, 2011)

No.	Test Item	CAS No.	SVHC classification	RL % (w/w)	Results %(w/w)	Limit %(w/w)
51	Dichromium ris(chromate)**	24613-89-6	Carcinogen Cat.2	0.020	N.D.	0.1
52	Potassium hydroxyoctaoxodizincatedichromate**	11103-86-9	Carcinogen Cat.2	0.020	N.D.	0.1
53	Pentazinc chromate octahydroxide**	49663-84-5	Carcinogen Cat.2	0.020	N.D.	0.1
54	Aluminosilicate Refractory Ceramic Fibres (RCF)**	-	Carcinogen Cat.2	0.020	N.D.	0.1
55	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)**	-	Carcinogen Cat.2	0.020	N.D.	0.1
56	Formaldehyde, Oligomeric reaction products with aniline (technical MDA)	25214-70-4	Carcinogen Cat.2	0.020	N.D.	0.1
57	Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	Toxic to reproduction, cat. 2	0.020	N.D.	0.1
58	2-Methoxyaniline, o-Anisidine	90-04-0	Carcinogen Cat.2	0.020	N.D.	0.1
59	4-(1,1,3,3-tetramethylbutyl) phenol, (4-tert-Octylphenol)	140-66-9	Carcinogen Cat.2; Toxic to reproduction, cat. 2	0.020	N.D.	0.1
60	1,2-Dichloroethane	107-06-2	Carcinogen Cat.2	0.020	N.D.	0.1
61	Bis(2-methoxyethyl) ether	111-96-6	Toxic to reproduction, cat. 2	0.020	N.D.	0.1
62	Arsenic acid**	7778-39-4	Carcinogen Cat.2	0.020	N.D.	0.1
63	Calcium arsenate**	7778-44-1	Carcinogen Cat.2	0.020	N.D.	0.1
64	Trilead diarsenate**	3687-31-8	arcinogen Cat.2; Toxic to reproduction, cat. 2	0.020	N.D.	0.1
65	N,N-dimethylacetamide (DMAC)	127-19-5	Toxic to reproduction, cat. 2	0.020	N.D.	0.1
66	2,2'-Dichloro-4,4'-methylene dianiline (MOCA)	101-14-4	Carcinogen Cat.2	0.020	N.D.	0.1
67	Phenolphthalein	77-09-8	Carcinogen Cat.2	0.020	N.D.	0.1

No.	Test Item	CAS No.	SVHC classification	RL % (w/w)	Results %(w/w)	Limit %(w/w)
68	Lead diazide Lead azide **	13424-46-9	Toxic to reproduction, cat. 2	0.020	N.D.	0.1
69	Lead styphnate**	15245-44-0	Toxic to reproduction, cat. 2	0.020	N.D.	0.1
70	Lead dipicrate**	6477-64-1	Toxic to reproduction, cat. 2	0.020	N.D.	0.1

The seventh thirteen substances of SVHC (Released in Jun, 2012)

No.	Test Item	CAS No.	SVHC classification	RL % (w/w)	Results %(w/w)	Limit %(w/w)
71	1,2-Bis(2-methoxyethoxy) ethane(TEGDME; triglyme)	112-49-2	Toxic to reproduction, cat. 2	0.020	N.D.	0.1
72	1,2-Dimethoxyethane; Ethyleneglycol dimethyl ether (EGDME)	110-71-4	Toxic to reproduction, cat. 2	0.020	N.D.	0.1
73	Diboron trioxide**	1303-86-2	Toxic to reproduction, cat. 2	0.020	N.D.	0.1
74	Formamide	75-12-7	Toxic to reproduction, cat. 2	0.020	N.D.	0.1
75	Lead (II) bis (methanesulfonate) **	17570-76-2	Toxic to reproduction, cat. 2	0.020	N.D.	0.1
76	TGIC(1,3,5-tris (oxiranylmethyl)-1,3,5-triazine-2,4,6 (1H,3H,5H)-trione)	2451-62-9	Mutagen Cat.2	0.020	N.D.	0.1
77	β-TGIC(1,3,5-tris[(2Sand2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	Mutagen Cat.2	0.020	N.D.	0.1
78	4,4'-Bis(dimethylamino)benzophenone(Michler's ketone)	90-94-8	Carcinogen Cat.2	0.020	N.D.	0.1
79	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	Carcinogen Cat.2	0.020	N.D.	0.1

No.	Test Item	CAS No.	SVHC classification	RL % (w/w)	Results %(w/w)	Limit %(w/w)
80	[4-[4,4'-Bis(dimethylamino)benzhydrylidene] cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I.Basic Violet 3)	548-62-9	Carcinogen Cat.2	0.020	N.D.	0.1
81	[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	Carcinogen Cat.2	0.020	N.D.	0.1
82	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	Carcinogen Cat.2	0.020	N.D.	0.1
83	4,4'-Bis(dimethylamino)-4''-(methylamino)trityl alcohol1	561-41-1	Carcinogen Cat.2	0.020	N.D.	0.1

The eighth fifty-four substances of SVHC (Released in Dec, 2012)

No.	Test Item	CAS No.	SVHC classification	RL % (w/w)	Results %(w/w)	Limit %(w/w)
84	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	PBT; vPvB	0.020	N.D.	0.1
85	Pentacosafluorotridecanoic acid	72629-94-8	vPvB	0.020	N.D.	0.1
86	Tricosafluorododecanoic acid	307-55-1	vPvB	0.020	N.D.	0.1
87	Henicosafluoroundecanoic acid	2058-94-8	vPvB	0.020	N.D.	0.1
88	Heptacosafluorotetradecanoic acid	376-06-7	vPvB	0.020	N.D.	0.1

No.	Test Item	CAS No.	SVHC classification	RL % (w/w)	Results %(w/w)	Limit %(w/w)
89	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	Equivalent level of concern having probable serious effects to human health	0.020	N.D.	0.1
90	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	Equivalent level of concern having probable serious effects to human health	0.020	N.D.	0.1
91	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	Equivalent level of concern having probable serious effects to human health	0.020	N.D.	0.1

No.	Test Item	CAS No.	SVHC classification	RL % (w/w)	Results %(w/w)	Limit %(w/w)
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]	-	Equivalent level of concern having probable serious effects to the environment	0.020	N.D.	0.1
93	4-(1,1,3,3-tetramethylbutyl) phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	Equivalent level of concern having probable serious effects to the environment	0.020	N.D.	0.1
94	Methoxyacetic acid	625-45-6	Toxic for reproduction	0.020	N.D.	0.1
95	N,N-dimethyl formamide	68-12-2	Toxic for reproduction	0.020	N.D.	0.1
96	Dibutyltin dichloride (DBTC)	683-18-1	Toxic for reproduction	0.020	N.D.	0.1
97	Lead monoxide (Lead oxide) **	1317-36-8	Toxic for reproduction	0.020	N.D.	0.1
98	Orange lead (Lead tetroxide) **	1314-41-6	Toxic for reproduction	0.020	N.D.	0.1
99	Lead bis(tetrafluoroborate) **	13814-96-5	Toxic for reproduction	0.020	N.D.	0.1
100	Trilead bis(carbonate) dihydroxide**	1319-46-6	Toxic for reproduction	0.020	N.D.	0.1
101	Lead titanium trioxide**	12060-00-3	Toxic for reproduction	0.020	N.D.	0.1

No.	Test Item	CAS No.	SVHC classification	RL % (w/w)	Results %(w/w)	Limit %(w/w)
102	Lead titanium zirconium oxide**	12626-81-2	Toxic for reproduction	0.020	N.D.	0.1
103	Silicic acid, lead salt**	11120-22-2	Toxic for reproduction	0.020	N.D.	0.1
104	Silicic acid (H2Si2O5), barium salt (1:1), lead-doped**	68784-75-8	Toxic for reproduction	0.020	N.D.	0.1
105	1-bromopropane (n-propyl bromide)	106-94-5	Toxic for reproduction	0.020	N.D.	0.1
106	Methyloxirane (Propylene oxide)	75-56-9	Carcinogenic; Mutagenic	0.020	N.D.	0.1
107	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	Toxic for reproduction	0.020	N.D.	0.1
108	Diisopentylphthalate (DIPP)	605-50-5	Toxic for reproduction	0.020	N.D.	0.1
109	N-pentyl-isopentylphthalate	776297-69-9	Toxic for reproduction	0.020	N.D.	0.1
110	1,2-diethoxyethane	629-14-1	Toxic for reproduction	0.020	N.D.	0.1
111	Acetic acid, lead salt, basic**	51404-69-4	Toxic for reproduction	0.020	N.D.	0.1
112	Lead oxide sulfate**	12036-76-9	Toxic for reproduction	0.020	N.D.	0.1
113	[Phthalato(2-)]dioxotrilead**	69011-06-9	Toxic for reproduction	0.020	N.D.	0.1
114	Dioxobis(stearato)trilead**	12578-12-0	Toxic for reproduction	0.020	N.D.	0.1
115	Fatty acids, C16-18, lead salts**	91031-62-8	Toxic for reproduction	0.020	N.D.	0.1
116	Lead cynamidate**	20837-86-9	Toxic for reproduction	0.020	N.D.	0.1
117	Lead dinitrate**	10099-74-8	Toxic for reproduction	0.020	N.D.	0.1

No.	Test Item	CAS No.	SVHC classification	RL % (w/w)	Results %(w/w)	Limit %(w/w)
118	Pentalead tetraoxide sulphate**	12065-90-6	Toxic for reproduction	0.020	N.D.	0.1
119	Pyrochlore, antimony lead yellow**	8012-00-8	Toxic for reproduction	0.020	N.D.	0.1
120	Sulfurous acid, lead salt, dibasic**	62229-08-7	Toxic for reproduction	0.020	N.D.	0.1
121	Tetraethyllead**	78-00-2	Toxic for reproduction	0.020	N.D.	0.1
122	Tetralead trioxide sulphate**	12202-17-4	Toxic for reproduction	0.020	N.D.	0.1
123	Trilead dioxide phosphonate**	12141-20-7	Toxic for reproduction	0.020	N.D.	0.1
124	Furan	110-00-9	Carcinogenic	0.020	N.D.	0.1
125	Diethyl sulphate	64-67-5	Carcinogenic; Mutagenic	0.020	N.D.	0.1
126	Dimethyl sulphate	77-78-1	Carcinogenic	0.020	N.D.	0.1
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	Toxic for reproduction	0.020	N.D.	0.1
128	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	Toxic for reproduction	0.020	N.D.	0.1
129	4,4'-methylenedi-o-toluidine	838-88-0	Carcinogenic	0.020	N.D.	0.1
130	4,4'-oxydianiline and its salts	101-80-4	Carcinogenic; Mutagenic	0.020	N.D.	0.1
131	4-aminoazobenzene	1960-9-3	Carcinogenic	0.020	N.D.	0.1
132	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	Carcinogenic	0.020	N.D.	0.1
133	6-methoxy-m-toluidine (p-cresidine)	120-71-8	Carcinogenic	0.020	N.D.	0.1
134	Biphenyl-4-ylamine	92-67-1	Carcinogenic	0.020	N.D.	0.1

No.	Test Item	CAS No.	SVHC classification	RL % (w/w)	Results %(w/w)	Limit %(w/w)
135	o-aminoazotoluene [(4-o-tolylazo-o-toluidine])	97-56-3	Carcinogenic	0.020	N.D.	0.1
136	o-toluidine	95-53-4	Carcinogenic	0.020	N.D.	0.1
137	N-methylacetamide	79-16-3	Toxic for reproduction	0.020	N.D.	0.1

The ninth six substances of SVHC (Released in Jun, 2013)

No.	Test Item	CAS No.	SVHC classification	RL % (w/w)	Results %(w/w)	Limit %(w/w)
138	Cadmium	7440-43-9	Carcinogenic (Article 57a);Equivalent level of concern having probable serious effects to human health (Article 57 f)	0.020	N.D.	0.1
139	Cadmium oxide**	1306-19-0	Carcinogenic (Article 57a);Equivalent level of concern having probable serious effects to human health (Article 57 f)	0.020	N.D.	0.1
140	Dipentyl phthalate (DPP)	131-18-0	Toxic for reproduction (Article 57c)	0.020	N.D.	0.1

No.	Test Item	CAS No.	SVHC classification	RL % (w/w)	Results %(w/w)	Limit %(w/w)
141	4-Nonylphenol, branched and linear, ethoxylated[substances witha 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]	-	Toxic for reproduction (Article 57c)	0.020	N.D.	0.1
142	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	Toxic for reproduction (Article 57c); PBT (Article 57 d)	0.020	N.D.	0.1
143	Pentadecafluorooctanoic acid (PFOA)	335-67-1	Toxic for reproduction (Article 57c); PBT (Article 57 d)	0.020	N.D.	0.1

The tenth seven substances of SVHC (Released in Dec, 2013)

No.	Test Item	CAS No.	SVHC classification	RL % (w/w)	Results %(w/w)	Limit %(w/w)
144	Cadmium sulphide**	1306-23-6	Carcinogenic (Article 57a);Equivalent level of concern having probable serious effects to human health (Article 57 f)	0.020	N.D.	0.1

No.	Test Item	CAS No.	SVHC classification	RL % (w/w)	Results %(w/w)	Limit %(w/w)
145	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	Carcinogenic	0.020	N.D.	0.1
146	Di-n-hexyl phthalate(DHXP)	84-75-3	Toxic for reproduction (Article 57c)	0.020	N.D.	0.1
147	2-Imidazolidinethione	96-45-7	Toxic for reproduction (Article 57c)	0.020	N.D.	0.1
148	Trixylyl phosphate	25155-23-1	Toxic for reproduction (Article 57c)	0.020	N.D.	0.1
149	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diyl bis(azo)]bis(4-aminonaphthalene-1-sulphonate(C.I.Direct Red 28)	573-58-0	Carcinogenic	0.020	N.D.	0.1
150	Lead acetate**	301-04-2	Toxic for reproduction (Article 57c)	0.020	N.D.	0.1

The eleventh four substances of SVHC (Released in Jun, 2014)

No.	Test Item	CAS No.	SVHC classification	RL % (w/w)	Results %(w/w)	Limit %(w/w)
151	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	Carcinogenic (Article 57a);Equivalent level of concern having probable serious effects to human health (Article 57 f)	0.020	N.D.	0.1
152	Sodium perborate; perboric acid, sodium salt**	-	Toxic for reproduction (Article 57c)	0.020	N.D.	0.1
153	Sodium peroxometaborate**	7632-04-4	Toxic for reproduction (Article 57c)	0.020	N.D.	0.1
154	Cadmium chloride**	10108-64-2	Toxic for reproduction (Article 57c)	0.020	N.D.	0.1

The twelfth seven substances of SVHC (Released in Dec, 2014)

No.	Test Item	CAS No.	SVHC classification	RL % (w/w)	Results %(w/w)	Limit %(w/w)
155	ultraviolet absorbent UV-328	25973-55-1	PBT (Article 57 d); vPvB (Article 57 e)	0.020	N.D.	0.1
156	ultraviolet absorbent UV-320	3846-71-7	PBT (Article 57 d); vPvB (Article 57 e)	0.020	N.D.	0.1
157	DOTE	15571-58-1	Toxic for reproduction (Article 57c)	0.020	N.D.	0.1
158	DOTE and MOTE reaction product	-	Toxic for reproduction (Article 57 c)	0.020	N.D.	0.1

No.	Test Item	CAS No.	SVHC classification	RL % (w/w)	Results %(w/w)	Limit %(w/w)
159	Cadmium fluoride**	7790-79-6	Carcinogenic (Article 57 a); Mutagenic (Article 57 b); Toxic for reproduction (Article 57 c); Equivalent level of concern having probable serious effects to human health (Article 57 f)	0.020	N.D.	0.1
160	Cadmium sulfate**	10124-36-4; 31119-53-6	Carcinogenic (Article 57 a); Mutagenic (Article 57 b); Toxic for reproduction (Article 57 c); Equivalent level of concern having probable serious effects to human health (Article 57 f)	0.020	N.D.	0.1
161	Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7	Equivalent level of concern having probable serious effects to the environment (Article 57 f); Toxic for reproduction (article	0.020	N.D.	0.1

The thirteenth two substances of SVHC (Released in Jun, 2015)

No.	Test Item	CAS No.	SVHC classification	RL % (w/w)	Results %(w/w)	Limit %(w/w)
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	Toxic for reproduction (Article 57c)	0.020	N.D.	0.1
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]	-	PBT	0.020	N.D.	0.1

The fourteenth five substances of SVHC (Released in Dec, 2015)

No.	Test Item	CAS No.	SVHC classification	RL %(w/w)	Results %(w/w)	Limit %(w/w)
164	1,3-propanesultone	1120-71-4	Carcinogenic (Article 57a)	0.020	N.D.	0.1
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	vPvB (Article 57 e)	0.020	N.D.	0.1
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	vPvB (Article 57 e)	0.020	N.D.	0.1
167	Nitrobenzene	98-95-3	Toxic for reproduction (Article 57c)	0.020	N.D.	0.1
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	Toxic for reproduction (Article 57c);PBT(Article 57 d)	0.020	N.D.	0.1

The fifteenth one substances of SVHC (Released in Jun, 2016)

No.	Test Item	CAS No.	SVHC classification	RL %(w/w)	Results %(w/w)	Limit %(w/w)
169	Benzo[def]chrysene (Benzo[a]pyrene)(BaP)	50-32-8	Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) PBT (Article 57d) vPvB (Article 57e)	0.020	N.D.	0.1

The sixteenth four substances of SVHC (Released in Jan, 2017)

No.	Test Item	CAS No.	SVHC classification	RL %(w/w)	Results %(w/w)	Limit %(w/w)
170	4,4'-isopropylidenediphenol (bisphenol A)(BPA)	80-05-7	Endocrine Disrupting(Article 57 f-	0.020	N.D.	0.1

			human health) Toxic for reproduction (Article 57 c) Endocrine Disrupting(Article 57 f-environment)			
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)	--	Equivalent level of concern having probable serious effects to the environment (Article 57 f)	0.020	N.D.	0.1
172	p-(1,1-dimethylpropyl)phenol	80-46-6	Equivalent level of concern having probable serious effects to environment (Article 57 f)	0.020	N.D.	0.1
173	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	Toxic for reproduction (Article 57 c); PBT (Article 57 d)	0.020	N.D.	0.1

The seventeenth one substances of SVHC (Released in Jun, 2017)

No.	Test Item	CAS No.	SVHC classification	RL %(w/w)	Results %(w/w)	Limit %(w/w)
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	355-46-4	vPvB (Article 57e)	0.020	N.D.	0.1

The eighteenth seven substances of SVHC (Released in Jan, 2018)

No.	Test Item	CAS No.	SVHC classification	RL %(w/w)	Results %(w/w)	Limit %(w/w)
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 etc.	vPvB (Article 57e)	0.020	N.D.	0.1
176	Benz[a]anthracene	56-55-3	Carcinogenic (Article 57a) PBT (Article 57 d) vPvB (Article 57 e)	0.020	N.D.	0.1
177	Cadmium nitrate**	10325-94-7	Carcinogenic (Article 57a) Mutagenic (Article 57 b) After repeated contact specific organs poisoning	0.020	N.D.	0.1
178	Cadmium carbonate**	513-78-0	Carcinogenic (Article 57a) Mutagenic (Article 57 b) After repeated contact specific organs poisoning	0.020	N.D.	0.1
179	Cadmium hydroxide**	21041-95-2	Carcinogenic (Article 57a) Mutagenic (Article 57 b) After repeated contact specific organs poisoning	0.020	N.D.	0.1
180	Chrysene	218-01-9	Carcinogenic (Article 57a) PBT (Article 57 d) vPvB (Article 57 e)	0.020	N.D.	0.1
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]	----	Endocrine Disrupting(Article 57 f-environment)	0.020	N.D.	0.1

The nineteen ten substances of SVHC (Released in Jun, 2018)

No.	Test Item	CAS No.	SVHC classification	RL %(w/w)	Results %(w/w)	Limit %(w/w)
182	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride(TMA)	552-30-7	Respiratory sensitization(Article 57 f)- human health	0.020	N.D.	0.1
183	Dicyclohexyl phthalate(DCHP)	84-61-7	Reproductive toxicity(Article 57 c) Endocrine disrupting properties(Article 57 f)- human health	0.020	N.D.	0.1
184	Benzo[g,h,i]perylene	191-24-2	PBT (Article 57 d) vPvB (Article 57 e)	0.020	N.D.	0.1
185	Octamethylcyclotetrasiloxane (D4)	556-67-2	PBT (Article 57 d) vPvB (Article 57 e)	0.020	N.D.	0.1
186	Decamethylcyclopentasiloxane(D5)	541-02-6	PBT (Article 57 d) vPvB (Article 57 e)	0.020	N.D.	0.1
187	Dodecamethylcyclohexasiloxane(D6)	540-97-6	PBT (Article 57 d) vPvB (Article 57 e)	0.020	N.D.	0.1
188	Ethylenediamine	107-15-3	Respiratory sensitization (Article 57 f- Human body health)	0.020	N.D.	0.1
189	Lead**	7439-92-1	Toxic for reproduction (Article 57 c)	0.020	N.D.	0.1
190	Disodium octaborate Tetrahydrate**	12008-41-2	Toxic for reproduction (Article 57 c)	0.020	N.D.	0.1
191	Terphenyl, hydrogenated	61788-32-7	vPvB (Article 57 e)	0.020	N.D.	0.1

The Twentieth six substances of SVHC (Released in Jan, 2019)

No.	Test Item	CAS No.	SVHC classification	RL %(w/w)	Results %(w/w)	Limit %(w/w)
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	Toxic for reproduction (Article 57 c)	0.020	N.D.	0.1
193	Benzo[[k]fluoranthene(BkF)	207-08-9	Carcinogenic (Article 57a) PBT (Article 57 d) vPvB (Article 57 e)	0.020	N.D.	0.1
194	Fluoranthene(FLT)	206-44-0	PBT (Article 57 d) vPvB (Article 57 e)	0.020	N.D.	0.1
195	Phenanthrene(PHE)	85-01-8	vPvB (Article 57 e)	0.020	N.D.	0.1
196	Pyrene(PYR)	129-00-0	PBT (Article 57 d) vPvB (Article 57 e)	0.020	N.D.	0.1
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	Endocrine Disrupting(Article 57 f-environment)	0.020	N.D.	0.1

Note :

1. mg/kg =milligram per kilogram=ppm=10^{-6}
2. N.D. = Not Detected (<Report Limit)
3. RL = Report Limit
4. ** According to the 5.2.1 item of the second version of ECHA “Guidance on requirements for substances in articles”, 2011, the selected test methods only show the existence of certain elements rather than the existence of substances, using additional measurements to screen for the existence and identification of substances in a sample when necessary.
5. Report Results: based on measurements in most cases will identify the chemical constituents in the sample but not necessarily “the substance” which were originally used to produce the article, professional consults, products information, testing processes, features of materials, characteristics of the SVHC and chemical analysis etc to obtain the assessments results according to the 5.2 item of the second version of ECHA “Guidance on requirements for substances in articles”, 2011.
6. Report Limit: Be obtained from the uncertainty, the 0.1 % threshold and the ECHA “Guidance on requirements for substances in articles”.
7. Definition of classification is listed in Appendix A of this report in accordance with Directive 67/548/EEC Regulation(EC)No 1907/2006.
8. In accordance with Regulation (EC) No 1907/2006, any producer or importer of articles shall notify the European Chemicals Agency(ECHA), In accordance with Article 59(1) of the Regulation if:
   -the substance is present in those articles in quantities totaling over one tone per producer or importer per year;
   - the substance is present in those articles above a concentration of 0.1% weight by weight(w/w).
9. Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight (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, he name of that substance.

Appendix A

Classification	Definition under Directive 67/548/EEC and Regulation(EC)1907/2006
Carcinogen Category 1:	Substance known to carcinogenic to man. There is sufficient evidence to establish a causal association between human exposure to a substance and the development of cancer.
Carcinogen Category 2:	Substances which should be regarded as if they are carcinogenic to man. There is sufficient evidence to provide a strong presumption that human exposure to a substance may result in the development of cancer. Generally on the basis of : - Appropriate long-term animal studies; - Other relevant information.
Mutagen Category 1:	Substance known to mutagenic to man. There is sufficient evidence to establish a causal association between human exposure to a substance and heritable genetic damage.
Mutagen Category 2:	Substances which should be regarded as if they are mutagenic to man. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in the development of heritable genetic damage, generally on the basis of : - Appropriate long-term animal studies; - Other relevant information.
Toxic to Reproduction Category1:	Substance known to impair fertility in humans. There is sufficient evidence to establish a causal relationship between human exposure to the substance and impaired fertility. Substances known to cause development toxicity in humans. There is Exposure to the substance and subsequent developmental toxic effects in the progeny.
PBT & vPvB:	Substances which are persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) pose a particular challenge to the chemicals safety management. For these substances a “safe” concentration in the environment cannot be established with sufficient reliability.
Toxic to Reproduction Category2:	Substances which should be regarded as if they impair fertility in humans. sufficient evidence to provide a strong presumption that human exposure to the substance may result in impaired fertility on the basis of: - Clear evidence in animal studies of impaired fertility in the absence of toxic effects, or, evidence of impaired fertility occurring at around the same does levels as other toxic effects but which is not a secondary nonspecific consequence of the other toxic effects; - Other relevant information Substances which should be regarded as if they cause developmental toxicity to humans. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in developmental toxicity, generally on the basis of: - Clear results in appropriate animal studies where effects have been observed in the absence of signs of marked maternal toxicity, or at around the same dose levels as other toxic effects but which are not a secondary non-specific consequence of the other toxic effects; - Other relevant information.

*** End of Report ***