Applicant	:	Razer Inc.
Address	:	9 Pasteur, Suite 100, Irvine, CA92618, USA
Sample Name	:	Gaming Mouse Mat
Style/Item No.	:	RZ02-0333，RZ02-0333XXXX-XXXX (X Can Be: 0~9, A~Z)
Sample Received Date	:	June 16, 2020
Testing Completed Date	:	June 22, 2020
Test Requested	:	As specified by the client, according to REACH Regulation (EC) No. 1907/2006, to determine the content of the two hundred and five Substances of Very High Concern (SVHC) in the submitted sample.
Test Results	:	Please refer to next page(s).

Conclusion:

The test result for the concentration of each of 205 SVHC which are in the current candidate list updated on January 16, 2020 in the submitted material was LESS THAN 0.1%.

Signed for and on behalf of
EMTEK (Dongguan) Co., Ltd.

Prepared by:	Reviewed by:	Approved by:
Kira Fu	Carrie Zhang	Lisa Li
Report Engineer	Supervisor	Manager

Test Results:

Test Method: By using microwave digestion or solvent extraction methods, and the analysis was performed by ICP-OES, GC-MS, LC-MS, IC and UV.

Test Item	Test Result (%)	RL (%)
	1+2	
205 SVHC	ND	0.05

Tested Materials:

Item No.	Description
1	Soft plastic
2	Other

Remark: As specified by the client, the samples were subjected to mixed testing, and the test results do not represent the content of any single material in the sample.

Two hundred and five Substances of Very High Concern (SVHC):

No.	Substance Name	CAS number	RL(%)	Classification
001	Lead hydrogen arsenate*	7784-40-9	0.05	Carcinogenic and toxic for reproduction
002	Benzyl butyl phthalate (BBP)	85-68-7	0.05	Endocrine disrupting properties
003	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	0.05	Endocrine disrupting properties
004	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	0.05	vPvB
005	Diarsenic trioxide*	1327-53-3	0.05	Carcinogenic
006	Bis(tributyltin)oxide*	56-35-9	0.05	PBT
007	Triethyl arsenate*	15606-95-8	0.05	Carcinogenic
008	Diarsenic pentaoxide*	1303-28-2	0.05	Carcinogenic
009	Sodium dichromate*	7789-12-0(1), 10588-01-9(2)	0.05	Carcinogenic, mutagenic and toxic for reproduction
010	Dibutyl phthalate (DBP)	84-74-2	0.05	Endocrine disrupting properties
011	4,4'- Diaminodiphenylmethane	101-77-9	0.05	Carcinogenic
012	Short Chain Chlorinated Paraffins#	85535-84-8	0.05	PBT and vPvB
013	Anthracene	120-12-7	0.05	PBT
014	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified α- HBCDD β- HBCDD γ- HBCDD	3194-55-6(3) 25637-99-4(4) (134237-50-6) (134237-51-7) (134237-52-8)	0.05	PBT
015	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	0.05	Carcinogenic and toxic for reproduction
016	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	0.05	Carcinogenic and toxic for reproduction
017	Anthracene oil#	90640-80-5	0.05	Carcinogenic[1], PBT and vPvB
018	2,4-Dinitrotoluene	121-14-2	0.05	Carcinogenic
019	Anthracene oil, anthracene paste, anthracene fraction#	91995-15-2	0.05	Carcinogenic[2], mutagenic[3], PBT and vPvB
020	Anthracene oil, anthracene-low#	90640-82-7	0.05	Carcinogenic2, mutagenic3, PBT and vPvB
021	Tris(2-chloroethyl)phosphate	115-96-8	0.05	Toxic for reproduction
022	Diisobutyl phthalate(DIBP)	84-69-5	0.05	Endocrine disrupting properties
023	Lead chromate*	7758-97-6	0.05	Carcinogenic and toxic for reproduction
024	Anthracene oil, anthracene paste#	90640-81-6	0.05	Carcinogenic[2], mutagenic[3], PBT and vPvB
025	Pitch, coal tar, high temp. #	65996-93-2	0.05	Carcinogenic, PBT and vPvB

No.	Substance Name	CAS number	RL(%)	Classification
026	Anthracene oil, anthracene paste,distn. lights#	91995-17-4	0.05	Carcinogenic[2], mutagenic[3], PBT and vPvB
027	Acrylamide	79-06-1	0.05	Carcinogenic and mutagenic
028	Trichloroethylene	79-01-6	0.05	Carcinogenic
029	Potassium dichromate*	7778-50-9	0.05	Carcinogenic, mutagenic and toxic for reproduction
030	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	0.05	Toxic for reproduction
031	Ammonium dichromate*	7789-09-5	0.05	Carcinogenic, mutagenic and toxic for reproduction
032	Boric acid*	10043-35-3 11113-50-1	0.05	Toxic for reproduction
033	Sodium chromate*	7775-11-3	0.05	Carcinogenic, mutagenic and toxic for reproduction
034	Disodium tetraborate, anhydrous*	1303-96-4 1330-43-4 12179-04-3	0.05	Toxic for reproduction
035	Potassium chromate*	7789-00-6	0.05	Carcinogenic and mutagenic
036	Cobalt(II) diacetate*	71-48-7	0.05	Carcinogenic and toxic for reproduction
037	Cobalt(II) sulphate*	10124-43-3	0.05	Carcinogenic and toxic for reproduction
038	2-Ethoxyethanol	110-80-5	0.05	Toxic for reproduction
039	Acids generated from chromium trioxide and their oligomers. Group containing: Chromic acid, Dichromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid*	7738-94-5 13530-68-2	0.05	Carcinogenic
040	2-Methoxyethanol	109-86-4	0.05	Toxic for reproduction
041	Chromium trioxide*	1333-82-0	0.05	Carcinogenic and mutagenic
042	Cobalt(II) carbonate*	513-79-1	0.05	Carcinogenic and toxic for reproduction
043	Cobalt(II) dinitrate*	10141-05-6	0.05	Carcinogenic and toxic for reproduction
044	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.05	Toxic for reproduction
045	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.05	Toxic for reproduction
046	Strontium chromate*	7789-06-2	0.05	Carcinogenic
047	1-Methyl-2-pyrrolidone	872-50-4	0.05	Toxic for reproduction
048	1,2,3-Trichloropropane	96-18-4	0.05	Carcinogenic and toxic for reproduction
049	2-Ethoxyethyl acetate	111-15-9	0.05	Toxic for reproduction
050	Hydrazine	302-01-2, 7803-57-8	0.05	Carcinogenic

No.	Substance Name	CAS number	RL(%)	Classification
051	Cobalt dichloride*	7646-79-9	0.05	Carcinogenic and toxic for reproduction
052	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.05	Equivalent level of concern having probable serious effects to the environment
053	N,N-dimethylacetamide	127-19-5	0.05	Toxic for reproduction
054	Phenolphthalein	77-09-8	0.05	Carcinogenic
055	Lead diazide, Lead azide*	13424-46-9	0.05	Toxic for reproduction
056	Lead dipicrate*	6477-64-1	0.05	Toxic for reproduction
057	1,2-dichloroethane	107-06-2	0.05	Carcinogenic
058	Calcium arsenate*	7778-44-1	0.05	Carcinogenic
059	Dichromium tris(chromate)*	24613-89-6	0.05	Carcinogenic
060	2-Methoxyaniline; o-Anisidine	90-04-0	0.05	Carcinogenic
061	Pentazinc chromate octahydroxide*	49663-84-5	0.05	Carcinogenic
062	Arsenic acid*	7778-39-4	0.05	Carcinogenic
063	Potassium hydroxyoctaoxo-dizincatedichromate*	11103-86-9	0.05	Carcinogenic
064	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	0.05	Carcinogenic
065	Lead styphnate*	15245-44-0	0.05	Toxic for reproduction
066	Trilead diarsenate*	3687-31-8	0.05	Carcinogenic and toxic for reproduction
067	Zirconia Aluminosilicate Refractory Ceramic Fibres*#	---	0.05	Carcinogenic
068	Bis(2-methoxyethyl) phthalate	117-82-8	0.05	Toxic for reproduction
069	Aluminosilicate Refractory Ceramic Fibres (RCF) *#	---	0.05	Carcinogenic
070	Bis(2-methoxyethyl) ether	111-96-6	0.05	Toxic for reproduction
071	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	0.05	Carcinogenic
072	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202- 959-2)]	6786-83-0	0.05	Carcinogenic
073	N,N,N',N'-tetramethyl-4,4'-methylenedianiline(Michler’s base)	101-61-1	0.05	Carcinogenic
074	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	0.05	Mutagenic
075	Diboron trioxide*	1303-86-2	0.05	Toxic for reproduction

No.	Substance Name	CAS number	RL(%)	Classification
076	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	0.05	Toxic for reproduction
077	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	561-41-1	0.05	Carcinogenic
078	Lead(II) bis(methanesulfonate)*	17570-76-2	0.05	Toxic for reproduction
079	Formamide	75-12-7	0.05	Toxic for reproduction
080	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethy lammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	548-62-9	0.05	Carcinogenic
081	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.05	Toxic for reproduction
082	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohex a-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	2580-56-5	0.05	Carcinogenic
083	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	0.05	Mutagenic
084	4,4'-bis (dimethylamino) benzophenone (Michler's ketone)	90-94-8	0.05	Carcinogenic
085	Pyrochlore, antimony lead yellow	8012-00-8	0.05	Toxic for reproduction
086	6-methoxy-m-toluidine (p-cresidine)	120-71-8	0.05	Carcinogenic
087	Henicosafluoroundecanoic acid	2058-94-8	0.05	vPvB
088	Hexahydromethylphthalic anhydride [1],Hexahydro-4-methylphthalic anhydride [2],Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	0.05	Equivalent level of concern having probable serious effects to human health

No.	Substance Name	CAS number	RL(%)	Classification
089	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis-and trans-isomers [1] are covered by this entry]	85-42-7, 13149-00-3, 14166-21-3	0.05	Equivalent level of concern having probable serious effects to human health
090	Dibutyltin dichloride *(DBTC)	683-18-1	0.05	Toxic for reproduction
091	Lead bis(tetrafluoroborate)*	13814-96-5	0.05	Toxic for reproduction
092	Lead dinitrate*	10099-74-8	0.05	Toxic for reproduction
093	Silicic acid, lead salt*	11120-22-2	0.05	Toxic for reproduction
094	4-Aminoazobenzene	60-09-3	0.05	Carcinogenic
095	Lead titanium zirconium oxide*	12626-81-2	0.05	Toxic for reproduction
096	Lead monoxide (lead oxide)*	1317-36-8	0.05	Toxic for reproduction
097	o-Toluidine	95-53-4	0.05	Carcinogenic
098	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.05	Toxic for reproduction
099	Silicic acid ($H_2Si_2O_5$), barium salt (1:1)*, lead-doped [with lead(Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]	68784-75-8	0.05	Toxic for reproduction
100	Trilead bis(carbonate)dihydroxide*	1319-46-6	0.05	Toxic for reproduction
101	Furan	110-00-9	0.05	Carcinogenic
102	N,N-dimethylformamide	68-12-2	0.05	Toxic for reproduction
103	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues] #	---	0.05	Equivalent level of concern having probable serious effects to the environment

No.	Substance Name	CAS number	RL(%)	Classification
104	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] #	---	0.05	Equivalent level of concern having probable serious effects to the environment
105	4,4'-methylenedi-o-toluidine	838-88-0	0.05	Carcinogenic
106	Diethyl sulphate	64-67-5	0.05	Carcinogenic; Mutagenic
107	Dimethyl sulphate	77-78-1	0.05	Carcinogenic
108	Lead oxide sulfate*	12036-76-9	0.05	Toxic for reproduction
109	Lead titanium trioxide*	12060-00-3	0.05	Toxic for reproduction
110	Acetic acid, lead salt, basic*	51404-69-4	0.05	Toxic for reproduction
111	[Phthalato(2-)]dioxotrilead*	69011-06-9	0.05	Toxic for reproduction
112	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	0.05	PBT; vPvB
113	N-methylacetamide	79-16-3	0.05	Toxic for reproduction
114	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	0.05	Toxic for reproduction
115	1,2-Diethoxyethane	629-14-1	0.05	Toxic for reproduction
116	Tetralead trioxide sulphate*	12202-17-4	0.05	Toxic for reproduction
117	N-pentyl-isopentylphthalate	776297-69-9	0.05	Toxic for reproduction
118	Dioxobis(stearato)trilead*	12578-12-0	0.05	Toxic for reproduction
119	Tetraethyllead*	78-00-2	0.05	Toxic for reproduction
120	Pentalead tetraoxide sulphate*	12065-90-6	0.05	Toxic for reproduction
121	Pentacosafluorotridecanoic acid	72629-94-8	0.05	vPvB
122	Tricosafluorododecanoic acid	307-55-1	0.05	vPvB
123	Heptacosafluorotetradecanoic acid	376-06-7	0.05	vPvB
124	1-bromopropane (n-propyl bromide)	106-94-5	0.05	Toxic for reproduction
125	Methoxyacetic acid	625-45-6	0.05	Toxic for reproduction

No.	Substance Name	CAS number	RL(%)	Classification
126	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	0.05	Carcinogenic
127	Methyloxirane (Propylene oxide)	75-56-9	0.05	Carcinogenic; Mutagenic
128	Trilead dioxide phosphonate*	12141-20-7	0.05	Toxic for reproduction
129	o-aminoazotoluene	97-56-3	0.05	Carcinogenic
130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.05	Toxic for reproduction
131	4,4'-oxydianiline and its salts	101-80-4	0.05	Carcinogenic; Mutagenic
132	Orange lead (lead tetroxide)*	1314-41-6	0.05	Toxic for reproduction
133	Biphenyl-4-ylamine	92-67-1	0.05	Carcinogenic
134	Diisopentylphthalate	605-50-5	0.05	Toxic for reproduction
135	Fatty acids, C16-18, lead salts*C16	91031-62-8	0.05	Toxic for reproduction
136	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	0.05	Equivalent level of concern having probable serious effects to human health
137	Sulfurous acid, lead salt, dibasic*	62229-08-7	0.05	Toxic for reproduction
138	Lead cyanamidate*	20837-86-9	0.05	Toxic for reproduction
139	Cadmium	7440-43-9	0.05	Carcinogenic; Equivalent level of concern having probable serious effects to human health
140	Cadmium oxide*	1306-19-0	0.05	Carcinogenic; Equivalent level of concern having probable serious effects to human health
141	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	0.05	Toxic for reproduction; PBT
142	Pentadecafluorooctanoic Acid (PFOA)	335-67-1	0.05	Toxic for reproduction; PBT
143	Dipentyl phthalate (DPP)	131-18-0	0.05	Toxic for reproduction
144	4-Nonylphenol, branched and linear, ethoxylated	---	0.05	Equivalent level of concern having probable serious effects to the environment (due to the endocrine disrupting properties of the degradation products)

No.	Substance Name	CAS number	RL(%)	Classification
145	Cadmium sulphide*	1306-23-6	0.05	Carcinogenic; Equivalent level of concern having probable serious effects to human health
146	C.I. Direct Red 28	573-58-0	0.05	Carcinogenic
147	C.I. Direct Black 38	1937-37-7	0.05	Carcinogenic
148	Dihexyl phthalate	84-75-3	0.05	Toxic for reproduction
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	0.05	Toxic for reproduction
150	Lead di(acetate) *	301-04-2	0.05	Toxic for reproduction
151	Trixylyl phosphate	25155-23-1	0.05	Toxic for reproduction
152	Cadmium chloride*	10108-64-2	0.05	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	0.05	Toxic for reproduction
154	Sodium peroxometaborate*	7632-04-4	0.05	Toxic for reproduction
155	Sodium perborate; perboric acid, sodium salt*	-	0.05	Toxic for reproduction
156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.05	PBT; vPvB
157	2-(2'-Hydroxy-3',5'-di-tert-butylphenyl)benzotriazole (UV-320)	3846-71-7	0.05	PBT; vPvB
158	Cadmium fluoride*	7790-79-6	0.05	Carcinogenic ; Mutagenic ; Toxic for Reproduction ; Equivalent level of concern having probable serious effects to human health
159	Cadmium sulphate*	10124-36-4; 31119-53-6	0.05	Carcinogenic ; Mutagenic ; Toxic for Reproduction ; Equivalent level of concern having probable serious effects to human health

No.	Substance Name	CAS number	RL(%)	Classification
160	2-ethylhexyl 10-ethyl-4,4- dioctyl-7-oxo-8-oxa-3,5-dithia-4- stannatetradecanoate; DOTE	15571-58-1	0.05	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)	---	0.05	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	0.05	Toxic for reproduction
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]	---	0.05	vPvB
164	Nitrobenzene	98-95-3	0.05	Toxic for reproduction (Article 57c)
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	0.05	vPvB (Article 57 e)
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	0.05	vPvB (Article 57 e)
167	1,3-propanesultone	1120-71-4	0.05	Carcinogenic (Article 57 a)
168	Perfluorononan-1-oic-acid and its sodium and ammonium saltspropanesultone	375-95-1 21049-39-8 4149-60-4	0.05	Toxic for reproduction (Article 57 c) PBT (Article 57 d)
169	Benzo[a]pyrene	50-32-8	0.05	Carcinogenic (Article 57a) Mutagenic (Article 57b) Toxic for reproduction (Article 57c) PBT (Article 57d) vPvB (Article 57e)
170	4,4'-isopropylidenediphenol (bisphenol A; BPA)	80-05-7	0.05	Endocrine disrupting properties
171	nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2	0.05	Toxic for reproduction, PBT

No.	Substance Name	CAS number	RL(%)	Classification
172	4-heptylphenol, branched and linear (4-HPbl)	---	0.05	Proposed by Austria, due to their endocrine-disrupting properties for the environment
173	4-tert-pentylphenol (PTAP)	80-46-6	0.05	Proposed by Austria, due to their endocrine-disrupting properties for the environment
174	Perfluorohexanesulfonic acid (PFHxS)	355-46-4	0.05	vPvB (Article 57 e)
175	Chrysene	218-01-9	0.05	Carcinogenic; PBT; vPvB
176	Benz[a]anthracene	56-55-3	0.05	Carcinogenic; PBT; vPvB
177	Cadmium nitrate*	10325-94-7	0.05	Carcinogenic; Mutagenic; Specific target organ toxicity after repeated exposure.
178	Cadmium hydroxide*	21041-95-2	0.05	Carcinogenic; Mutagenic; Specific target organ toxicity after repeated exposure.
179	Cadmium carbonate*	513-78-0	0.05	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]	---	0.05	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]	---	0.05	Endocrine disrupting properties
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	0.05	Respiratory sensitizing properties (Article 57(f)-human health)
183	Dicyclohexyl phthalate (DCHP)	84-61-7	0.05	Toxic for reproduction, Article 57(c); Endocrine disrupting properties (Article 57(f)-human health)
184	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.05	PBT (Article 57d) vPvB (Article 57e)
185	Decamethylcyclopentasiloxane (D5)	541-02-6	0.05	PBT (Article 57d) vPvB (Article 57e)

No.	Substance Name	CAS number	RL(%)	Classification
186	Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.05	PBT (Article 57d) vPvB (Article 57e)
187	Lead	7439-92-1	0.05	Toxic for reproduction, Article 57(c)
188	Disodium octaborate*	12008-41-2	0.05	Toxic for reproduction, Article 57(c)
189	Benzo[ghi]perylene	191-24-2	0.05	PBT (Article 57d) vPvB (Article 57e)
190	Terphenyl hydrogenated	61788-32-7	0.05	vPvB (Article 57e)
191	Ethylenediamine (EDA)	107-15-3	0.05	Respiratory sensitizing properties (Article 57(f)-human health)
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	0.05	Toxic for reproduction (Article 57c)
193	Benzo[k]fluoranthene	207-08-9	0.05	Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e)
194	Fluoranthene	206-44-0	0.05	PBT (Article 57d) vPvB (Article 57e)
195	Phenanthrene	85-01-8	0.05	Endocrine disrupting properties (Article 57(f) - environment)
196	Pyrene	129-00-0	0.05	PBT (Article 57d) vPvB (Article 57e)
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	15087-24-8	0.05	Endocrine disrupting properties (Article 57(f) - environment)
198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	/	0.05	Equivalent level of concern having probable serious effects to human health (Article 57(f)-human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f)-environment)
199	4-tert-butylphenol	98-54-4	0.05	Endocrine disrupting properties (Article 57(f) - environment)
200	2-methoxyethyl acetate	110-49-6	0.05	Toxic for reproduction (Article 57c)
201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ⩾0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	/	0.05	Endocrine disrupting properties (Article 57(f) - environment)

202	Perfluorobutane sulfonic acid (PFBS) and its salts	/	0.05	Equivalent level of concern having probable serious effects to human health (Article 57(f)-human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f)-environment)
203	Diisohexyl phthalate	71850-09-4	0.05	Toxic for reproduction (Article 57c)
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	0.05	Toxic for reproduction (Article 57c)
205	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	0.05	Toxic for reproduction (Article 57c)

Remark:

1. ND = Not Detected (lower than reporting limit) RL = Reporting Limit
2. PBT = Persistent, Bio accumulative and Toxic as defined in Regulation (EC) No 1907/2006
3. vPvB = Very persistent and very bio accumulative as defined in Regulation (EC) No 1907/2006
4. (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 1,2,5,6,9,10- hexabromocyclododecane
   (4) CAS No. 25637-99-4 refers to hexabromocyclododecane (without specifying bromine positions)
5. If the article contains a material type whose weight is less than 0.1% of the total article weight, this material type is ignored for testing.
6. * = Result is based on the representative heavy metal concentration. Due to the limit of the analytical technology available, when the calculated result of target substance by chemometrics is higher than the request limit, the client is strongly advised to review the chemical formulation to ascertain.
7. # = The SVHC which is defined as UVCB substance (substances of **U**nknown or **V**ariable composition, **C**omplex reaction products or **B**iological materials) under REACH regulation cannot be sufficiently identified by its chemical composition as the number of constituents is relatively large and/or the composition is, to a significant part, unknown and/or the variability of composition is relatively large or poorly predictable. So the test result is calculated as per the selected identifiers of the SVHC basing on the worst-case scenario.
8. According to the REACH regulation (EC) No. 1907/2006, the request limit is 0.1% for SVHC in the article.
9. If a SVHC is found over the request limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by further request of quantitative analysis.

Photo Appendix

Notes:

1. The limit of 0.1% (w / w) applies to an article. The results were calculated assuming that 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, the definitions of article, substance or 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 with 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 meeting the 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 with 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.

* * * * * * **The End** * * * * * *