

SVHC Assessment Report

Applicant: Quelling Corporation
19F-1, No 398, Huanbei Rd.,
Zhongli City, Taoyuan City 320675,
Taiwan, R.O.C.

Number : TWNC01397599

Issue Date : Oct 02, 2025

Sample Description:

One (1) Group of Submitted Samples Said To Be :

Sample Description : LED Component

Style / Item No. : QLSP Series

Date Sample Received : Sep 19, 2025

Date Test Started : Sep 19, 2025

Test Conducted:

As requested by the applicant, for details please refer to attached pages.

Conclusion:

<u>Tested Sample</u>	<u>Standard</u>	<u>Result</u>
Submitted Samples	The Obligation to Communicate Information on Substances of Very High Concern (SVHC) in Articles —As per article 33(1) to regulation (EC) No. 1907/2006 (REACH)	Pass

According to the methodology based on test results and risk assessment for specific compounds, 250 substances content of very high concern (SVHC) promulgated by the European Chemicals Agency (ECHA) on and before June 25, 2025 were less than 0.1% (w/w).

Authorized By:
On behalf of Intertek Testing Services
Taiwan Limited

Matt Wang
General Manager



Signed by:

Thomas Chou

Thomas Chou
Manager



Test Conducted :

Information on Regulation:

1. Definition of Article (Article 3(3) to REACH Regulation)

- (a) Article means an object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition.
- (b) The judgment of article shall adopt to Court of Justice of the European Union Press Release No 100/15 on Sep 10, 2015.

2. Legal Obligations (Article 33 to REACH Regulation)

- (a) EU and EEA producers and importers of articles have a legal obligation to submit a notification to ECHA with regard to any substance on the Candidate List in their articles if both the following conditions are met:
 - the SVHC is present in its relevant article above a concentration of 0.1% weight by weight, and
 - the SVHC is present in its relevant article in quantities totaling over 1 tonnage per year.
 - (b) EU and EEA suppliers of articles which contain SVHC in a concentration above 0.1% (w/w) shall provide the recipient or consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that SVHC. The relevant information shall be provided, free of charge, within 45 days of receipt of the request.
-



Test Conducted :

Test Summary

1. Test Method (by Intertek in-house method):

- (a) By acid digestion or aqueous extraction method and the relevant elements were determined by ICP-OES.
- (b) Further confirmation test was performed by UV-Vis (non-metal part) or spot test (metal part) for Cr(VI).
- (c) By solvent extraction method and the relevant compounds were determined by GC-MS, GC-ECNI-MS, HPLC-DAD or LC-MS-MS.

2. Test Result:

Tested date: Sep 19, 2025

Tested substances: No.1-250

<u>No.</u>	<u>Substance Name</u>	<u>Result (ppm)</u>
		<u>Yellow/white electronic component</u>
1-250	Substances of Very High Concern (SVHC) in the Candidate List	All SVHC were not detected

Remarks:

ppm = Parts per million = mg/kg

Detection limit = 100 ppm (for each compound)



Test Conducted :

Annex - Substances of Very High Concern (SVHC) in the Candidate List

No.	Substance Name	EC Number	CAS Number	Reason for Inclusion
1st SVHC in the Candidate List (2008.10)				
1	Cobalt dichloride	231-589-4	7646-79-9	Carcinogenic Mutagenic
2	Diarsenic pentaoxide	215-116-9	1303-28-2	Carcinogenic
3	Diarsenic trioxide	215-481-4	1327-53-3	Carcinogenic
4	Lead hydrogen arsenate	232-064-2	7784-40-9	Carcinogenic TRC
5	Triethyl arsenate	427-700-2	15606-95-8	Carcinogenic
6	Sodium dichromate, dihydrate	234-190-3	7789-12-0	Carcinogenic Mutagenic TRC
7	Bis (tributyltin)oxide (TBTO)	200-268-0	56-35-9	PBT
8	Anthracene	204-371-1	120-12-7	PBT
9	4,4'-Diaminodiphenylmethane (MDA)	202-974-4	101-77-9	Carcinogenic
10	Dibutyl phthalate (DBP)	201-557-4	84-74-2	EDP
11	5- <i>tert</i> -Butyl-2,4,6-trinitro- <i>m</i> -xylene (musk xylene)	201-329-4	81-15-2	vPvB
12	Bis(2-ethylhexyl) phthalate (DEHP)	204-211-0	117-81-7	TRC, EDP
13	Hexabromocyclododecane (HBCDD)	247-148-4 221-695-9	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8	PBT
14	Benzyl butyl phthalate (BBP)	201-622-7	85-68-7	TRC, EDP
15	Short chain chlorinated parafins (C10-13)	287-476-5	85535-84-8	PBT
2nd SVHC in the Candidate List (2009.09)				
16	Anthracene oil	292-602-7	90640-80-5	PBT, vPvB
17	Anthracene oil, anthracene paste, distn. Light	295-278-5	91995-17-4	PBT, vPvB, Carcinogenic Mutagenic
18	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	PBT, vPvB, Carcinogenic Mutagenic
19	Anthracene oil, anthracene-low	292-604-8	90640-82-7	PBT, vPvB, Carcinogenic Mutagenic
20	Anthracene oil, anthracene paste	292-603-2	90640-81-6	PBT, vPvB, Carcinogenic Mutagenic
21	Coal tar pitch, high temp.	266-028-2	65996-93-2	PBT, vPvB, Carcinogenic
22	Acrylamide	201-173-7	79-06-1	Carcinogenic Mutagenic
23	2,4-Dinitrotoluene	204-450-0	121-14-2	Carcinogenic
24	Diisobutyl phthalate (DIBP)	201-553-2	84-69-5	TRC, EDP



Test Conducted :

No.	Substance Name	EC Number	CAS Number	Reason for Inclusion
2nd SVHC in the Candidate List (2009.09)				
25	Lead chromate	231-846-0	7758-97-6	Carcinogenic TRC
26	Lead chromate molybdate sulphate red (C.I. Pigment red 104)	235-759-9	12656-85-8	Carcinogenic TRC
27	Lead sulfochromate yellow (C.I. Pigment yellow 34)	215-693-7	1344-37-2	Carcinogenic TRC
28	Tris(2-chloroethyl) phosphate (TCEP)	204-118-5	115-96-8	TRC
3rd SVHC in the Candidate List (2010.03)				
29	Trichloroethylene	201-167-4	79-01-6	Carcinogenic
30	Boric acid	233-139-2 234-343-4	10043-35-3 11113-50-1	TRC
31	Disodium tetraborate, anhydrous	215-540-4	1330-43-4 12179-04-3 1303-96-4	TRC
32	Tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	TRC
33	Sodium chromate	231-889-5	7775-11-3	Carcinogenic Mutagenic TRC
34	Potassium chromate	232-140-5	7789-00-6	Carcinogenic Mutagenic
35	Ammonium dichromate	232-143-1	7789-09-5	Carcinogenic Mutagenic TRC
36	Potassium dichromate	231-906-6	7778-50-9	Carcinogenic Mutagenic TRC
4th SVHC in the Candidate List (2010.12)				
37	Cobalt(II) sulphate	233-334-2	10124-43-3	Carcinogenic TRC
38	Cobalt(II) dinitrate	233-402-1	10141-05-6	Carcinogenic TRC
39	Cobalt(II) carbonate	208-169-4	513-79-1	Carcinogenic TRC
40	Cobalt(II) diacetate	200-755-8	71-48-7	Carcinogenic TRC
41	2-Methoxyethanol	203-713-7	109-86-4	TRC
42	2-Ethoxyethanol	203-804-1	110-80-5	TRC
43	Chromium trioxide	215-607-8	1333-82-0	Carcinogenic Mutagenic
44	Acids generated from chromium trioxide and their oligomers: Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid	231-801-5 236-881-5 --	7738-94-5 13530-68-2 --	Carcinogenic



Test Conducted :

No.	Substance Name	EC Number	CAS Number	Reason for Inclusion
5th SVHC in the Candidate List (2011.06)				
45	2-Ethoxyethyl acetate (2-EEA)	203-839-2	111-15-9	TRC
46	Strontium chromate	232-142-6	7789-06-2	Carcinogenic
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	271-084-6	68515-42-4	TRC
48	Hydrazine	206-114-9	7803-57-8 302-01-2	Carcinogenic
49	1-Methyl-2-pyrrolidone (NMP)	212-828-1	872-50-4	TRC
50	1,2,3-Trichloropropane	202-486-1	96-18-4	Carcinogenic TRC
51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	276-158-1	71888-89-6	TRC
6th SVHC in the Candidate List (2011.12)				
52	Dichromium tris(chromate)	246-356-2	24613-89-6	Carcinogenic
53	Potassium hydroxyoctaoxodizincatedi-chromate	234-329-8	11103-86-9	Carcinogenic
54	Pentazinc chromate octahydroxide	256-418-0	49663-84-5	Carcinogenic
55	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	500-036-1	25214-70-4	Carcinogenic
56	Aluminosilicate refractory ceramic fibres (RCF)	--	--	Carcinogenic
57	Zirconia aluminosilicate refractory ceramic fibres (Zr-RCF)	--	--	Carcinogenic
58	Bis(2-methoxyethyl)phthalate(DMEP)	204-212-6	117-82-8	TRC
59	2-Methoxyaniline(<i>o</i> -Anisidine)	201-963-1	90-04-0	Carcinogenic
60	4-(1,1,3,3-Tetramethylbutyl)phenol, (4- <i>tert</i> -Octylphenol)	205-426-2	140-66-9	PBT, vPvB
61	1,2-Dichloroethane	203-458-1	107-06-2	Carcinogenic
62	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	TRC
63	Arsenic acid	231-901-9	7778-39-4	Carcinogenic
64	Calcium arsenate	231-904-5	7778-44-1	Carcinogenic
65	Trilead diarsenate	222-979-5	3687-31-8	Carcinogenic TRC
66	N,N-Dimethylacetamide (DMAC)	204-826-4	127-19-5	TRC
67	4,4''-Methylenebis(2-chloroaniline) (MOCA)	202-918-9	101-14-4	Carcinogenic
68	Phenolphthalein	201-004-7	77-09-8	Carcinogenic
69	Lead azide (Lead diazide)	236-542-1	13424-46-9	TRC
70	Lead styphnate	239-290-0	15245-44-0	TRC
71	Lead dipicrate	229-335-2	6477-64-1	TRC



Test Conducted :

No.	Substance Name	EC Number	CAS Number	Reason for Inclusion
7th SVHC in the Candidate List (2012.06)				
72	1,2-Bis(2-methoxyethoxy)ethane (TEGDME; Triglyme)	203-977-3	112-49-2	TRC
73	1,2-Dimethoxyethane; Ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	TRC
74	Diboron trioxide	215-125-8	1303-86-2	TRC
75	Formamide	200-842-0	75-12-7	TRC
76	Lead(II) bis(methanesulfonate)	401-750-5	17570-76-2	TRC
77	1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (TGIC)	219-514-3	2451-62-9	Mutagenic
78	1,3,5-Tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	423-400-0	59653-74-6	Mutagenic
79	4,4'-Bis(dimethylamino)benzophenone (Michler's ketone)	202-027-5	90-94-8	Carcinogenic
80	N,N,N',N'-Tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	Carcinogenic
81	{4-[[4-Anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene}dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	219-943-6	2580-56-5	Carcinogenic
82	{4-[4,4'-Bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene}dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	208-953-6	548-62-9	Carcinogenic
83	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)]	209-218-2	561-41-1	Carcinogenic
84	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)]	229-851-8	6786-83-0	Carcinogenic



Test Conducted :

No.	Substance Name	EC Number	CAS Number	Reason for Inclusion
8th SVHC in the Candidate List (2012.12)				
85	Bis(pentabromophenyl) ether (DecaBDE)	214-604-9	1163-19-5	PBT, vPvB
86	Pentacosfluorotridecanoic acid	276-745-2	72629-94-8	vPvB
87	Tricosfluorododecanoic acid	206-203-2	307-55-1	vPvB
88	Henicosfluoroundecanoic acid	218-165-4	2058-94-8	vPvB
89	Heptacosfluorotetradecanoic acid	206-803-4	376-06-7	vPvB
90	4-(1,1,3,3-Tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	--	--	Equivalent concern
91	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 concern
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3	Equivalent concern
93	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	201-604-9, 236-086-3, 238-009-9	85-42-7, 13149-00-3, 14166-21-3	Equivalent concern
94	Hexahydromethylphthalic anhydride (MHHPA-1) Hexahydro-4-methylphthalic anhydride (MHHPA-2) Hexahydro-1-methylphthalic anhydride (MHHPA-3) Hexahydro-3-methylphthalic anhydride (MHHPA-4)	247-094-1, 243-072-0, 256-356-4, 260-566-1	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	Equivalent concern
95	Methoxy acetic acid	210-894-6	625-45-6	TRC
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear (PIPP)	284-032-2	84777-06-0	TRC
97	Diisopentyl phthalate (DIPP)	210-088-4	605-50-5	TRC
98	n-Pentyl-iso-pentyl phthalate (PIPP)	--	776297-69-9	TRC
99	1,2-Diethoxyethane	211-076-1	629-14-1	TRC
100	N,N-Dimethylformamide; Dimethyl formamide (DMFA)	200-679-5	68-12-2	TRC
101	Dibutyltin dichloride (DBTC)	211-670-0	683-18-1	TRC
102	Acetic acid, lead salt, basic	257-175-3	51404-69-4	TRC
103	Basic lead carbonate (Trilead bis(carbonate) dihydroxide)	215-290-6	1319-46-6	TRC
104	Lead oxide sulfate (Basic lead sulfate)	234-853-7	12036-76-9	TRC
105	[Phthalato(2-)]dioxotrilead (Dibasic lead phthalate)	273-688-5	69011-06-9	TRC
106	Dioxobis(stearato)trilead	235-702-8	12578-12-0	TRC
107	Fatty acids, C16-18, lead salts	292-966-7	91031-62-8	TRC
108	Lead bis(tetrafluoroborate)	237-486-0	13814-96-5	TRC
109	Lead cyanamidate	244-073-9	20837-86-9	TRC
110	Lead dinitrate	233-245-9	10099-74-8	TRC
111	Lead oxide (Lead monoxide)	215-267-0	1317-36-8	TRC
112	Lead tetroxide (Orange lead)	215-235-6	1314-41-6	TRC
113	Lead titanium trioxide	235-038-9	12060-00-3	TRC
114	Lead titanium zirconium oxide	235-727-4	12626-81-2	TRC
115	Pentalead tetraoxide sulphate	235-067-7	12065-90-6	TRC
116	Pyrochlore, antimony lead yellow	232-382-1	8012-00-8	TRC
117	Silicic acid, barium salt, lead-doped	272-271-5	68784-75-8	TRC
118	Silicic acid, lead salt	234-363-3	11120-22-2	TRC
119	Sulfurous acid, lead salt, dibasic	263-467-1	62229-08-7	TRC



Test Conducted :

No.	Substance Name	EC Number	CAS Number	Reason for Inclusion
8th SVHC in the Candidate List (2012.12)				
120	Tetraethyllead	201-075-4	78-00-2	TRC
121	Tetralead trioxide sulphate	235-380-9	12202-17-4	TRC
122	Trilead dioxide phosphonate	235-252-2	12141-20-7	TRC
123	Furan	203-727-3	110-00-9	Carcinogenic
124	Propylene oxide; 1,2-Epoxypropane; Methyloxirane	200-879-2	75-56-9	Carcinogenic Mutagenic
125	Diethyl sulphate	200-589-6	64-67-5	Carcinogenic Mutagenic
126	Dimethyl sulphate	201-058-1	77-78-1	Carcinogenic
127	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	TRC
128	Dinoseb	201-861-7	88-85-7	TRC
129	4,4'-Methylenedi- <i>o</i> -toluidine	212-658-8	838-88-0	Carcinogenic
130	4,4'-Oxydianiline and its salts	202-977-0	101-80-4	Carcinogenic Mutagenic
131	4-Aminoazobenzene; 4-Phenylazoaniline	200-453-6	60-09-3	Carcinogenic
132	4-Methyl- <i>m</i> -phenylenediamine (2,4-Toluylendiamine)	202-453-1	95-80-7	Carcinogenic
133	6-Methoxy- <i>m</i> -toluidine (<i>p</i> -cresidine)	204-419-1	120-71-8	Carcinogenic
134	Biphenyl-4-ylamine ; 4-Aminobiphenyl	202-177-1	92-67-1	Carcinogenic
135	<i>o</i> -Aminoazotoluene	202-591-2	97-56-3	Carcinogenic
136	<i>o</i> -Toluidine; 2-Aminotoluene	202-429-0	95-53-4	Carcinogenic
137	N-Methylacetamide	201-182-6	79-16-3	TRC
138	1-Bromopropane; <i>n</i> -Propyl bromide	203-445-0	106-94-5	TRC
9th SVHC in the Candidate List (2013.06)				
139	Cadmium	231-152-8	7440-43-9	Carcinogenic Equivalent concern
140	Cadmium oxide	215-146-2	1306-19-0	Carcinogenic
141	Pentadecafluorooctanoic acid (PFOA)	206-397-9	335-67-1	TRC
142	Ammonium pentadecafluorootanoate (APFO)	223-320-4	3825-26-1	TRC
143	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]	--	--	Equivalent concern
144	Dipentyl phthalate (DPP)	205-017-9	131-18-0	TRC
10th SVHC in the Candidate List (2013.12)				
145	Cadmium sulphide	215-147-8	1306-23-6	Carcinogenic Equivalent concern
146	Lead di(acetate)	206-104-4	301-04-2	TRC
147	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	217-710-3	1937-37-7	Carcinogenic
148	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	209-358-4	573-58-0	Carcinogenic
149	Trixylyl phosphate	246-677-8	25155-23-1	TRC
150	Dihexyl phthalate (DnHP)	201-559-5	84-75-3	TRC
151	Imidazolidine-2-thione; 2-Imidazoline-2-thiol	202-506-9	96-45-7	TRC



Test Conducted :

No.	Substance Name	EC Number	CAS Number	Reason for Inclusion
11th SVHC in the Candidate List (2014.06)				
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4	TRC
153	Cadmium chloride	233-296-7	10108-64-2	Carcinogenic Equivalent concern Mutagenic TRC
154	Sodium perborate; Perboric acid, sodium salt	239-172-9, 234-390-0	--	TRC
155	Sodium peroxometaborate	231-556-4	7632-04-4	TRC
12th SVHC in the Candidate List (2014.12)				
156	2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	PBT, vPvB
157	2-Benzotriazol-2-yl-4,6-di- <i>tert</i> -butylphenol (UV-320)	223-346-6	3846-71-7	PBT, vPvB
158	2-Ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1	TRC
159	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)	--	--	TRC
160	Cadmium fluoride	232-222-0	7790-79-6	Carcinogenic Equivalent concern Mutagenic TRC
161	Cadmium sulphate	233-331-6	10124-36-4, 31119-53-6	Carcinogenic Equivalent concern Mutagenic TRC
13th SVHC in the Candidate List (2015.06)				
162	1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate	271-094-0 272-013-1	68515-51-5 68648-93-1	TRC
163	5- <i>sec</i> -Butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5- <i>sec</i> -Butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	--	--	vPvB



Test Conducted :

No.	Substance Name	EC Number	CAS Number	Reason for Inclusion
14th SVHC in the Candidate List (2015.12)				
164	Nitrobenzene	202-716-0	98-95-3	TRC
165	2,4-Di- <i>tert</i> -butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	223-383-8	3864-99-1	vPvB
166	2-(2H-Benzotriazol-2-yl)-4-(<i>tert</i> -butyl)-6-(<i>sec</i> -butyl)phenol (UV-350)	253-037-1	36437-37-3	vPvB
167	1,3-Propanesultone	214-317-9	1120-71-4	Carcinogenic
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	206-801-3	375-95-1 21049-39-8 4149-60-4	TRC, PBT
15th SVHC in the Candidate List (2016.06)				
169	Benzo[def]chrysene (Benzo[a]pyrene)	200-028-5	50-32-8	Carcinogenic Mutagenic TRC, PBT, vPvB
16th SVHC in the Candidate List (2016.12)				
170	4,4'-isopropylidenediphenol (bisphenol A; BPA)	201-245-8	80-05-7	TRC, EDP
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	206-400-3 221-470-5	335-76-2 3830-45-3 3108-42-7	TRC, PBT
172	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]	-	-	TRC
173	<i>p</i> -(1,1-Dimethylpropyl)phenol	201-280-9	80-46-6	TRC
17th SVHC in the Candidate List (2017.07)				
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	--	--	vPvB



Test Conducted :

No.	Substance Name	EC Number	CAS Number	Reason for Inclusion
18th SVHC in the Candidate List (2018.01)				
175	Benz[a]anthracene	200-280-6	56-55-3	Carcinogenic PBT vPvB
176	Cadmium nitrate	233-710-6	10325-94-7	Carcinogenic Mutagenic STOT
177	Cadmium hydroxide	244-168-5	21041-95-2	Carcinogenic Mutagenic STOT
178	Cadmium carbonate	208-168-9	513-78-0	Carcinogenic Mutagenic STOT
179	Chrysene	205-923-4	218-01-9	Carcinogenic PBT vPvB
180	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octade ca-7,15-diene ("Dechlorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof	--	--	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]	--	--	EDP
19th SVHC in the Candidate List (2018.07)				
182	Octamethylcyclotetrasiloxane (D4)	209-136-7	556-67-2	PBT, vPvB
183	Decamethylcyclopentasiloxane (D5)	208-764-9	541-02-6	PBT, vPvB
184	Dodecamethylcyclohexasiloxane (D6)	208-762-8	540-97-6	PBT, vPvB
185	Lead	231-100-4	7439-92-1	TRC
186	Disodium octaborate	234-541-0	12008-41-2	TRC
187	Benzo[g,h,i]perylene	205-883-8	191-24-2	PBT, vPvB
188	Terphenyl hydrogenated	262-967-7	61788-32-7	vPvB
189	Ethylenediamine (EDA)	203-468-6	107-15-3	RSP
190	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride (trimellitic anhydride; TMA)	209-008-0	552-30-7	RSP
191	Dicyclohexyl phthalate (DCHP)	201-545-9	84-61-7	TRC, EDP
20th SVHC in the Candidate List (2019.01)				
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	6807-17-6	TRC
193	Benzo[k]fluoranthene	205-916-6	207-08-9	Carcinogenic PBT, vPvB
194	Fluoranthene	205-912-4	206-44-0	PBT, vPvB
195	Phenanthrene	201-581-5	85-01-8	vPvB
196	Pyrene	204-927-3	129-00-0	PBT, vPvB
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	239-139-9	15087-24-8	EDP



Test Conducted :

No.	Substance Name	EC Number	CAS Number	Reason for Inclusion
21st SVHC in the Candidate List (2019.07)				
198	2-Methoxyethyl acetate	203-772-9	110-49-6	TRC
199	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP)	--	--	EDP
200	2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	--	--	Equivalent concern
201	4- <i>tert</i> -butylphenol	202-679-0	98-54-4	EDP
22nd SVHC in the Candidate List (2020.01)				
202	2-Benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	TRC
203	2-Methyl-1-(4-methylthiophenyl)-2-morpholino propan-1-one	400-600-6	71868-10-5	TRC
204	Diisohexyl phthalate	276-090-2	71850-09-4	TRC
205	Perfluorobutane sulfonic acid (PFBS) and its salts	--	--	Equivalent concern
23rd SVHC in the Candidate List (2020.06)				
206	1-vinylimidazole	214-012-0	1072-63-5	TRC
207	2-methylimidazole	211-765-7	693-98-1	TRC
208	Butyl 4-hydroxybenzoate	202-318-7	94-26-8	EDP
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	245-152-0	22673-19-4	TRC
24th SVHC in the Candidate List (2021.01)				
210	Bis(2-(2-methoxyethoxy) ethyl) ether	205-594-7	143-24-8	TRC
211	Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	--	--	TRC
25th SVHC in the Candidate List (2021.07)				
212	2-(4- <i>tert</i> -butylbenzyl) propionaldehyde and its individual stereoisomers	--	--	TRC
213	Orthoboric acid, sodium salt	237-560-2	13840-56-7	TRC
214	2,2-bis(bromomethyl)propane-1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivative / 3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) 2,3-dibromo-1-propanol (2,3-DBPA)	221-967-7 253-057-0 202-480-9	3296-90-0 36483-57-5/ 1522-92-5 96-13-9	Carcinogenic
215	Glutaral	203-856-5	111-30-8	RSP
216	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	--	--	PBT, vPvB
217	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	--	--	TRC EDP
218	1,4-dioxane	204-661-8	123-91-1	Carcinogenic Equivalent concern
219	4,4'-(1-methylpropylidene) bisphenol; (bisphenol B)	201-025-1	77-40-7	EDP



Test Conducted :

No.	Substance Name	EC Number	CAS Number	Reason for Inclusion
26th SVHC in the Candidate List (2022.01)				
220	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	204-327-1	119-47-1	TRC
221	tris(2-methoxyethoxy) vinylsilane	213-934-0	1067-53-4	TRC
222	(±)-1,7,7-trimethyl-3-[(4-methylphenyl) methylene] bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	--	--	EDP
223	S-(tricyclo(5.2.1.0''2,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	401-850-9	255881-94-8	PBT
27th SVHC in the Candidate List (2022.06)				
224	N-(hydroxymethyl)acrylamide	213-103-2	924-42-5	Carcinogenic Mutagenic
28th SVHC in the Candidate List (2023.01)				
225	1,1'-[ethane-1,2-diylbisoxo]bis[2,4,6-tribromobenzene]	253-692-3	37853-59-1	vPvB
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	201-236-9	79-94-7	Carcinogenic
227	4,4'-sulphonyldiphenol	201-250-5	80-09-1	TRC EDP
228	Barium diboron tetraoxide	237-222-4	13701-59-2	TRC
229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	--	--	vPvB
230	Isobutyl 4-hydroxybenzoate	224-208-8	4247-02-3	EDP
231	Melamine	203-615-4	108-78-1	Equivalent concern
232	Perfluoroheptanoic acid and its salts	--	--	TRC PBT vPvB Equivalent concern
233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	473-390-7	--	vPvB
29th SVHC in the Candidate List (2023.06)				
234	Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide	278-355-8	75980-60-8	TRC
235	Bis(4-chlorophenyl) sulphone	201-247-9	80-07-9	vPvB
30th SVHC in the Candidate List (2024.01)				
236	2,4,6-tri-tert-butylphenol	211-989-5	732-26-3	TRC PBT
237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl) phenol (UV-329)	221-573-5		
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl] butan-1-one	438-340-0	119344-86-4	TRC
239	Bumetrizole (UV-326); 2-tert-butyl-6-(5-chloro-2H-benzotriazol-2-yl)-4- methylphenol	223-445-4	3896-11-5	vPvB
240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	700-960-7	--	vPvB



Test Conducted :

No.	Substance Name	EC Number	CAS Number	Reason for Inclusion
31st SVHC in the Candidate List (2024.06)				
241	Bis(α,α -dimethylbenzyl) peroxide	201-279-3	80-43-3	TRC
32nd SVHC in the Candidate List (2024.11)				
242	Triphenyl phosphate	204-112-2	115-86-6	EDP
33rd SVHC in the Candidate List (2025.01)				
243	6-[(C10-C13)-Alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl] hexanoic acid (Tetra-PSCA)	701-118-1	2156592-54-8	TRC
244	O,O,O-Triphenyl phosphorothioate (TPPT)	209-909-9	597-82-0	PBT
245	Octamethyltrisiloxane	203-497-4	107-51-7	vPvB
246	Perfluamine	206-420-2	338-83-0	vPvB
247	Reaction mass of: triphenyl thiophosphate and tertiary butylated phenyl derivatives	421-820-9	192268-65-8	PBT
34th SVHC in the Candidate List (2025.06)				
248	1,1,1,3,5,5,5-Heptamethyl-3-[(trimethylsilyl)oxy]trisiloxane	241-867-7	17928-28-8	vPvB
249	Decamethyltetrasiloxane	205-491-7	141-62-8	vPvB
250	Tetra(sodium/potassium) 7-[(E)-{2-acetamido-4-[(E)-(4-{[4-chloro-6-{2-[(4-fluoro-6-{[4-(vinylsulfonyl)phenyl]amino}-1,3,5-triazine-2-yl)amino]propyl}amino)-1,3,5-triazine-2-yl]amino}-5-sulfonato-1-naphthyl)diazonyl]-5-methoxyphenyl}diazonyl]-1,3,6-naphthalenetrisulfonate; Reactive Brown 51	466-490-7	--	TRC

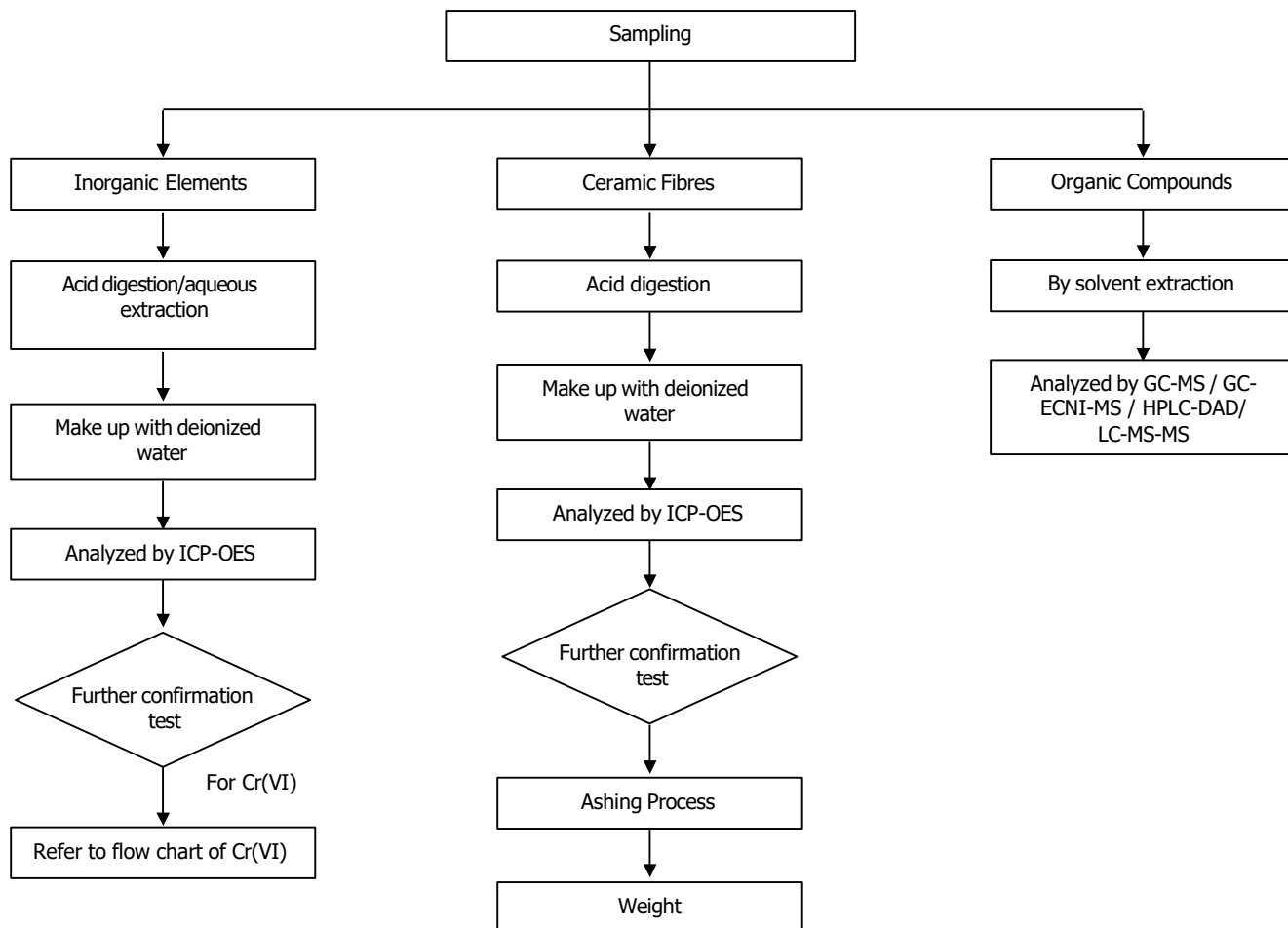
Remarks:

- TRC = Toxic for reproduction
- PBT = Persistent, bioaccumulative and toxic
- vPvB = Very Persistent and Very bioaccumulative
- EDP = Endocrine disrupting properties
- STOT = Specific target organ toxicity after repeated exposure
- RSP = Respiratory sensitising properties
- ** = The Dec 19, 2011 „Aluminosilicate Refractory Ceramic Fibres“ and „Zirconia Aluminosilicate Refractory Ceramic Fibres“ listings open the scope of these items from the original listing (Jan 1, 2010). Although these two modified substances are counted as additions to the existing list, they are revisions of the original substance listings to ensure all hazardous versions are covered. As of Jun 18, 2012, these entries have been consolidated; there is now one entry for „Aluminosilicate Refractory Ceramic Fibres“ and one entry for „Zirconia Aluminosilicate Refractory Ceramic Fibres“.



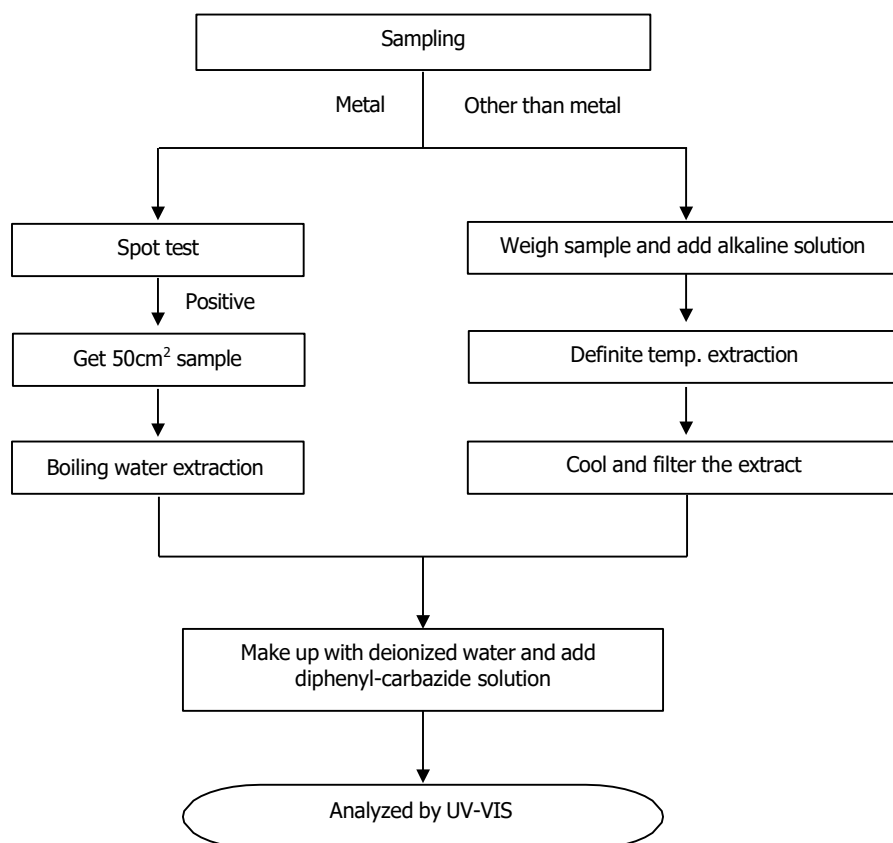
Test Conducted :

Measurement Flowchart:



Test Conducted :

Test for Chromium (VI) Content



Sample photo:



End of Report

Except where explicitly agreed in writing, all work and services performed by Intertek is subject to our standard Terms and Conditions which can be obtained at our website: <http://www.intertek-twn.com/terms/>. Intertek's responsibility and liability are limited to the terms and conditions of the agreement.

This report is made solely on the basis of your instructions and / or information and materials supplied by you and provide no warranty on the tested sample(s) be truly representative of the sample source. The report is not intended to be a recommendation for any particular course of action, you are responsible for acting as you see fit on the basis of the report results. Intertek is under no obligation to refer to or report upon any facts or circumstances which are outside the specific instructions received and accepts no responsibility to any parties whatsoever, following the issue of the report, for any matters arising outside the agreed scope of the works. This report does not discharge or release you from your legal obligations and duties to any other person. You are the only one authorized to permit copying or distribution of this report (and then only in its entirety). Any such third parties to whom this report may be circulated rely on the content of the report solely at their own risk

Reporting Statements of Conformity: Please note that the test results contain statement of conformity with the decision rules which are based on the specifications of customers, regulations and standards, and does not consider measurement uncertainty.

