Test Report No. F690101/LF-CTSAYAA24-45849

Issued Date : 2025. 01. 03

HANSOL PAPER CO.,LTD
50, Sinilseo-ro 68beon-gil
Daedeok-gu, Daejeon
Korea

The following sample(s) was/were submitted and identified by/on behalf of the client as:-

SGS File No.	:	AYAA24-45849
Product Name	:	SC(E)
Item No./Part No.	:	N/A
Received Date	:	2024. 12. 20
Test Period	:	2024. 12. 20 to 2025. 01. 03
Test Requested	:	As requested by client, SVHC screening is performed according to: - Two hundred and forty two (242) substances in the Candidate List of Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) on November 7, 2024 regarding Regulation (EC) No 1907/2006 concerning the REACH. - Six (6) substances in the Consultation List of Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) on August 30, 2024 regarding Regulation (EC) No 1907/2006 concerning the REACH.
Test Method	:	Please refer to next page(s).
Test Result(s)	:	Please refer to next page(s).
Summary	:	According to the specified scope and evaluation screening, the test results of SVHC are ≤ 0.1% (w/w) in the articles of the submitted sample.

Monet Jeong

Monet Jeong
Technical Manager / SGS Korea Co., Ltd

This test report is limited to the samples and sample names provided by the client and does not guarantee the quality of all the client's products. It shall not be used for public relation, advertisement, lawsuit and shall not be used by excepts from it. This test report can be checked through the <http://rohs.kr.sgs.com/checkreport/main>. This test report is not related to KS Q ISO/IEC 17025 and Korea Laboratory Accreditation Scheme.

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Test Method :

SGS In-House method - Analyzed by ICP-OES, PLM, UV/VIS, LC/MS, GC/MS and colorimetric method

Remarks :

1. The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:
<https://echa.europa.eu/candidate-list-table>(Candidate list)
<https://echa.europa.eu/proposals-to-identify-substances-of-very-high-concern-previous-consultations?p_p_id=substancetypelist_WAR_substanceportlet&p_p_lifecycle=0&p_p_state=normal&p_p_mode=view&p_p_col_id=column-1&p_p_col_pos=2&p_p_col_count=4&_substancetypelis>
(Proposals to identify SVHC consulations)
The lists are under evaluation by ECHA and may subject to change in the future.

2. In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

3. 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 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 in the Candidate List.

4. If a SVHC is found over 0.1% (w/w), client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

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Test Result(s)

No.	Substance Name	CAS number	EC number	Reporting Limit(%)	Concentration (%)
1	1,2,3-Trichloropropane (1,2,3-TCP)	96-18-4	202-486-1	0.05	N.D.
2	1,2-benzenedicarboxylic acid, di-C6-8-branced alkyl esters, C7-rich	71888-89-6	276-158-1	0.05	N.D.
3	1,2-benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6	0.05	N.D.
4	1,2-Dichloroethane	107-06-2	203-458-1	0.05	N.D.
5	1-Methyl-2-pyrrolidone	872-50-4	212-828-1	0.05	N.D.
6	2,2'-dichloro-4,4'-methylenedianiline(MOCA)	101-14-4	202-918-9	0.05	N.D.
7	2,4-Dinitrotoluene	121-14-2	204-450-0	0.05	N.D.
8	2-Ethoxyethanol	110-80-5	203-804-1	0.05	N.D.
9	2-Ethoxyethyl acetate	111-15-9	203-839-2	0.05	N.D.
10	2-Methoxyaniline / o-anisidine	90-04-0	201-963-1	0.05	N.D.
11	2-Methoxyethanol	109-86-4	203-713-7	0.05	N.D.
12	4,4'-Diaminodiphenylmethane	101-77-9	202-974-4	0.05	N.D.
13	4-(1,1,3,3-tetramethylbutyl) phenol, (4-tert-Octylphenol)	140-66-9	205-426-2	0.05	N.D.
14	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	0.05	N.D.
15	Acids generated from chromium troxide and their oligomers Chromic acid & Dichoromic acid, Oligomers of chromic aicd and dichromic acid*	-	-	0.005	N.D.
16	Acrylamide	79-06-1	201-173-7	0.05	N.D.
17	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCP)	85535-84-8	287-476-5	0.05	N.D.
18	Aluminosilicate Refractory Ceramic Fibres* (RCF)	-	-	0.005	N.D.
19	Ammonium dichromate*	7789-09-5	232-143-1	0.005	N.D.
20	Anthracene	120-12-7	204-371-1	0.05	N.D.

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No.	Substance Name	CAS number	EC number	Reporting Limit(%)	Concentration (%)
21	Anthracene oil*	90640-80-5	292-602-7	0.05	N.D.
22	Anthracene oil, anthracene paste*	90640-81-6	292-603-2	0.05	N.D.
23	Anthracene oil, anthracene paste, anthracene fraction*	91995-15-2	295-275-9	0.05	N.D.
24	Anthracene oil, anthracene paste; distn. Lights*	91995-17-4	295-278-5	0.05	N.D.
25	Anthracene oil, anthracene-low*	90640-82-7	292-604-8	0.05	N.D.
26	Arsenic acid*	7778-39-4	231-901-9	0.005	N.D.
27	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	0.05	N.D.
28	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7	204-211-0	0.05	N.D.
29	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	0.05	N.D.
30	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	0.05	N.D.
31	Bis(tributyltin)oxide (TBTO)	56-35-9	200-268-0	0.05	N.D.
32	Boric acid*	-	-	0.005	N.D.
33	Calcium arsenate*	7778-44-1	231-904-5	0.005	N.D.
34	Chromium trioxide*	1333-82-0	215-607-8	0.005	N.D.
35	Cobalt dichloride*	7646-79-9	231-589-4	0.005	N.D.
36	Cobalt(II) carbonate*	513-79-1	208-169-4	0.005	N.D.
37	Cobalt(II) diacetate*	71-48-7	200-755-8	0.005	N.D.
38	Cobalt(II) dinitrate*	10141-05-6	233-402-1	0.005	N.D.
39	Cobalt(II) sulphate*	10124-43-3	233-334-2	0.005	N.D.
40	Diarsenic pentaoxide*	1303-28-2	215-116-9	0.005	N.D.
41	Diarsenic trioxide*	1327-53-3	215-481-4	0.005	N.D.
42	Dibutyl phthalate (DBP)	84-74-2	201-557-4	0.05	N.D.

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No.	Substance Name	CAS number	EC number	Reporting Limit(%)	Concentration (%)
43	Dichromium tris(chromate)*	24613-89-6	246-356-2	0.005	N.D.
44	Di-isobutyl phthalate(DIBP)	84-69-5	201-553-2	0.05	N.D.
45	Disodium tetraborate, anhydrous*	1330-43-4, 1303-96-4, 12179-04-3	215-540-4	0.005	N.D.
46	Formaldehyde, oligomeric reaction products with aniline(technical MDA)	25214-70-4	500-036-1	0.05	N.D.
47	Hexabromocyclododecane(HBCDD)	-	-	0.05	N.D.
48	Hydrazine	7803-57-8 302-01-2	206-114-9	0.05	N.D.
49	Lead chromate molybdate sulphate red (C.I Pigment Red 104)*	12656-85-8	235-759-9	0.005	N.D.
50	Lead chromate*	7758-97-6	231-846-0	0.005	N.D.
51	Lead diazide*	13424-46-9	236-542-1	0.005	N.D.
52	Lead dipicrate*	6477-64-1	229-335-2	0.005	N.D.
53	Lead hydrogen arsenate*	7784-40-9	232-064-2	0.005	N.D.
54	Lead styphnate*	15245-44-0	239-290-2	0.005	N.D.
55	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	215-693-7	0.005	N.D.
56	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	0.05	N.D.
57	Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	0.005	N.D.
58	Phenolphthalein	77-090-8	201-004-7	0.05	N.D.
59	Coal tar pitch, high temperature*	65996-93-2	266-028-2	0.05	N.D.
60	Potassium chromate*	7789-00-6	232-140-5	0.005	N.D.
61	Potassium dichromate*	7778-50-9	231-906-6	0.005	N.D.
62	Potassium hydroxyocta-oxodizincatedichromate*	11103-86-9	234-329-8	0.005	N.D.
63	Sodium chromate*	7775-11-3	231-889-5	0.005	N.D.

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No.	Substance Name	CAS number	EC number	Reporting Limit(%)	Concentration (%)
64	Sodium dichromate*(Sodium dichromate dehydrate)	7789-12-0, 10588-01-9	234-190-3	0.005	N.D.
65	Strontium chromate*	7789-06-2	232-142-6	0.005	N.D.
66	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	235-541-3	0.005	N.D.
67	Trichloroethylene	79-01-6	201-167-4	0.05	N.D.
68	Triethyl arsenate*	15606-95-8	427-700-2	0.005	N.D.
69	Trilead diarsenate*	3687-31-8	222-979-5	0.005	N.D.
70	Tris(2-chloroethyl) phosphate	115-96-8	204-118-5	0.05	N.D.
71	Zirconia Aluminiosilicate, Refractory Ceramic Fibers (Zr-RCF)*	650-017-00-8 (Index no.)	-	0.005	N.D.
72	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	219-943-6	0.05	N.D.
73	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	208-953-6	0.05	N.D.
74	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	203-977-3	0.05	N.D.
75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	0.05	N.D.
76	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	202-027-5	0.05	N.D.
77	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	209-218-2	0.05	N.D.
78	Diboron trioxide*	1303-86-2	215-125-8	0.005	N.D.
79	Formamide	75-12-7	200-842-0	0.05	N.D.
80	Lead(II) bis(methanesulfonate)*	17570-76-2	401-750-5	0.005	N.D.
81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	0.05	N.D.

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No.	Substance Name	CAS number	EC number	Reporting Limit(%)	Concentration (%)
82	TGIC(1,3,5-tris (oxiranyl methyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	219-514-3	0.05	N.D.
83	α,α-Bis[4-(dimethylamino) phenyl]-4 (phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	0.05	N.D.
84	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)**	59653-74-6	423-400-0	0.05	N.D.
85	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate) *	69011-06-9	273-688-5	0.005	N.D.
86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	0.05	N.D.
87	1,2-Diethoxyethane	629-14-1	211-076-1	0.05	N.D.
88	1-bromopropane; n-propyl bromide	106-94-5	203-445-0	0.05	N.D.
89	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	0.05	N.D.
90	4-(1,1,3,3-tetramethylbutyl) phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	-	-	0.05	N.D.
91	4,4'-Methylenedi-o-toluidine	838-88-0	212-658-8	0.05	N.D.
92	4,4'-oxydianiline and its salts	-	-	0.05	N.D.
93	4-Aminoazobenzene	60-09-3	200-453-6	0.05	N.D.
94	4-Methyl-m-phenylenediamine	95-80-7	202-453-1	0.05	N.D.
95	4-Nonylphenol, branched and linear (4-NP)	-	-	0.05	N.D.
96	6-Methoxy-m-toluidine	120-71-8	204-419-1	0.05	N.D.
97	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	0.005	N.D.
98	Biphenyl-4-ylamine	92-67-1	202-177-1	0.05	N.D.
99	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	214-604-9	0.05	N.D.

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Test Result(s)

No.	Substance Name	CAS number	EC number	Reporting Limit(%)	Concentration (%)
100	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	0.05	N.D.
101	Dibutyltin dichloride (DBT)	683-18-1	211-670-0	0.05	N.D.
102	Diethyl sulphate (DES)	64-67-5	200-589-6	0.05	N.D.
103	Diisopentylphthalate (DIPP)	605-50-5	210-088-4	0.05	N.D.
104	Dimethyl sulphate (DMS)	77-78-1	201-058-1	0.05	N.D.
105	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	0.05	N.D.
106	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	0.005	N.D.
107	Fatty acids, C16-18, lead salt*	91031-62-8	292-966-7	0.005	N.D.
108	Furan	110-00-9	203-727-3	0.05	N.D.
109	Henicosafluoroundecanoic acid	2058-94-8	218-165-4	0.05	N.D.
110	Heptacosafluorotetradecanoic acid	376-06-7	206-803-4	0.05	N.D.
111	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	-	-	0.05	N.D.
112	Hexahydromethylphathalic anhydride, Hexahydro-4-methylphathalic anhydride, Hexahydro-1-methylphathalic anhydride, Hexahydro-3-methylphathalic anhydride (MHHPA)	-	-	0.05	N.D.
113	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	0.005	N.D.
114	Lead cyanamidate*	20837-86-9	244-073-9	0.005	N.D.
115	Lead dinitrate*	10099-74-8	233-245-9	0.005	N.D.
116	Lead oxide (lead monoxide)*	1317-36-8	215-267-0	0.005	N.D.
117	Lead oxide sulfate (basic lead sulfate)*	12036-76-9	234-853-7	0.005	N.D.
118	Lead tetroxide (orange lead)*	1314-41-6	215-235-6	0.005	N.D.
119	Lead titanium trioxide*	12060-00-3	235-038-9	0.005	N.D.

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Test Result(s)

No.	Substance Name	CAS number	EC number	Reporting Limit(%)	Concentration (%)
120	Lead Titanium Zirconium Oxide*	12626-81-2	235-727-4	0.005	N.D.
121	Methoxy acetic acid	625-45-6	210-894-6	0.05	N.D.
122	N,N-dimethylformamide (DMFA)	68-12-2	200-679-5	0.05	N.D.
123	N-Methylacetamide	79-16-3	201-182-6	0.05	N.D.
124	N-pentyl-isopentylphthalate	776297-69-9	-	0.05	N.D.
125	o-Aminoazotoluene	97-56-3	202-591-2	0.05	N.D.
126	o-Toluidine	95-53-4	202-429-0	0.05	N.D.
127	Pentacosafluorotridecanoic acid	72629-94-8	276-745-2	0.05	N.D.
128	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	0.005	N.D.
129	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	200-879-2	0.05	N.D.
130	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	0.005	N.D.
131	Silicic acid, barium salt, lead-doped*	68784-75-8	272-271-5	0.005	N.D.
132	Silicic acid, lead salt*	11120-22-2	234-363-3	0.005	N.D.
133	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	0.005	N.D.
134	Tetraethyllead*	78-00-2	201-075-4	0.005	N.D.
135	Tetralead trioxide sulphate*	12202-17-4	235-380-9	0.005	N.D.
136	Tricosafluorododecanoic acid	307-55-1	206-203-2	0.05	N.D.
137	Basic lead carbonate (trilead bis(carbonate)dihydroxide)*	1319-46-6	215-290-6	0.005	N.D.
138	Trilead dioxide phosphonate*	12141-20-7	235-252-2	0.005	N.D.

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Test Result(s)

No.	Substance Name	CAS number	EC number	Reporting Limit(%)	Concentration (%)
139	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]	-	799-990-1	0.05	N.D.
140	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	0.05	N.D.
141	Cadmium	7440-43-9	231-152-8	0.005	N.D.
142	Cadmium oxide*	1306-19-0	215-146-2	0.005	N.D.
143	Dipentyl phthalate (DPP)	131-18-0	205-017-9	0.05	N.D.
144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	0.05	N.D.
145	Dihexyl phthalate (DIHP)	84-75-3	201-559-5	0.05	N.D.
146	Trixylyl phosphate	25155-23-1	246-677-8	0.05	N.D.
147	Imidazolidine-2-thione; 2-imidazoline-2-thiol(Ethylene thiourea)	96-45-7	202-506-9	0.05	N.D.
148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo] [1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	217-710-3	0.05	N.D.
149	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	209-358-4	0.05	N.D.
150	Cadmium sulphide*	1306-23-6	215-147-8	0.005	N.D.
151	Lead di(acetate)*	301-04-2	206-104-4	0.005	N.D.
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (DHP)	68515-50-4	271-093-5	0.05	N.D.
153	Cadmium chloride*	10108-64-2	233-296-7	0.005	N.D.
154	Sodium perborate*; perboric acid, sodium salt*	-	-	0.005	N.D.

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155	Sodium peroxometaborate*	7632-04-4	231-556-4	0.005	N.D.
156	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	0.05	N.D.
157	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	0.05	N.D.
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4	0.05	N.D.
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)	-	-	0.05	N.D.
160	Cadmium fluoride*	7790-79-6	232-222-0	0.005	N.D.
161	Cadmium sulphate*	10124-36-4, 31119-53-6	233-331-6	0.005	N.D.
162	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	N.D.
163	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)	-	-	0.05	N.D.
164	1,3-propanesultone	1120-71-4	214-317-9	0.05	N.D.
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	0.05	N.D.
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	0.05	N.D.
167	Nitrobenzene	98-95-3	202-716-0	0.05	N.D.

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No.	Substance Name	CAS number	EC number	Reporting Limit(%)	Concentration (%)
168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoron onanoic acid and its sodium and ammonium salts	-	-	0.05	N.D.
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	200-028-5	0.05	N.D.
170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	201-245-8	0.05	N.D.
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]	-	-	0.05	N.D.
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	-	-	0.05	N.D.
173	p-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	0.05	N.D.
174	Perfluorohexane-1-sulphonic acid and its salts	355-46-4	206-587-1	0.05	N.D.
175	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 PlusTM) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	-	0.05	N.D.
176	Benz[a]anthracene	56-55-3	200-280-6	0.05	N.D.
177	Cadmium nitrate*	10325-94-7	233-710-6	0.005	N.D.
178	Cadmium carbonate*	513-78-0	208-168-9	0.005	N.D.
179	Cadmium hydroxide*	21041-95-2	244-168-5	0.005	N.D.
180	Chrysene	218-01-9	205-923-4	0.05	N.D.
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	N.D.

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No.	Substance Name	CAS number	EC number	Reporting Limit(%)	Concentration (%)
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride; TMA)	552-30-7	209-008-0	0.05	N.D.
183	Benzo[ghi]perylene (BgP)	191-24-2	205-883-8	0.05	N.D.
184	Decamethylcyclopentasiloxane (D5)	541-02-6	208-764-9	0.05	N.D.
185	Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	0.05	N.D.
186	Disodium Octaborate*	12008-41-2	234-541-0	0.005	N.D.
187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	208-762-8	0.05	N.D.
188	Ethylenediamine	107-15-3	203-468-6	0.05	N.D.
189	Lead	7439-92-1	231-100-4	0.005	N.D.
190	Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	0.05	N.D.
191	Terphenyl hydrogenated	61788-32-7	262-967-7	0.05	N.D.
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	0.05	N.D.
193	Benzo[k]fluoranthene	207-08-9	205-916-6	0.05	N.D.
194	Fluoranthene	206-44-0	205-912-4	0.05	N.D.
195	Phenanthrene	85-01-8	201-581-5	0.05	N.D.
196	Pyrene	129-00-0	204-927-3	0.05	N.D.
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor)	15087-24-8	239-139-9	0.05	N.D.
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	N.D.
199	2-methoxyethyl acetate	110-49-6	203-772-9	0.05	N.D.
200	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	0.05	N.D.
201	4-tert-Butylphenol	98-54-4	202-679-0	0.05	N.D.

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No.	Substance Name	CAS number	EC number	Reporting Limit(%)	Concentration (%)
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	0.05	N.D.
203	2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6	0.05	N.D.
204	Diisohexyl phthalate	71850-09-4	276-090-2	0.05	N.D.
205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	0.05	N.D.
206	1-vinylimidazole	1072-63-5	214-012-0	0.05	N.D.
207	2-methylimidazole	693-98-1	211-765-7	0.05	N.D.
208	Butyl 4-hydroxybenzoate	94-26-8	202-318-7	0.05	N.D.
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	245-152-0	0.05	N.D.
210	Bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	205-594-7	0.05	N.D.
211	Dioctyltin 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	-	-	0.05	N.D.
212	1,4-dioxane	123-91-1	204-661-8	0.05	N.D.
213	2,2-bis(bromomethyl)propane1,3-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)	-	-	0.05	N.D.
214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	-	0.05	N.D.
215	4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	77-40-7	201-025-1	0.05	N.D.
216	Glutaral	111-30-8	203-856-5	0.05	N.D.
217	Medium-chain chlorinated paraffins (MCCP)	-	-	0.05	N.D.
218	Orthoboric Acid, sodium salt*	-	-	0.005	N.D.

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Test Result(s)

No.	Substance Name	CAS number	EC number	Reporting Limit(%)	Concentration (%)
219	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)	-	-	0.05	N.D.
220	(±)-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)	-	-	0.05	N.D.
221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	204-327-1	0.05	N.D.
222	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*	255881-94-8	401-850-9	0.05	N.D.
223	tris(2-methoxyethoxy)vinylsilane	1067-53-4	213-934-0	0.05	N.D.
224	N-(hydroxymethyl)acrylamide	924-42-5	213-103-2	0.05	N.D.
225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene] (BTBPE)	37853-59-1	253-692-3	0.05	N.D.
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (Tetrabromobis-phenol- A- (TBBPA))	79-94-7	201-236-9	0.05	N.D.
227	4,4'-sulphonyldiphenol (Bisphenol S (BPS))	80-09-1	201-250-5	0.05	N.D.
228	Barium diboron tetraoxide*	13701-59-2	237-222-4	0.005	N.D.
229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	-	0.05	N.D.
230	Isobutyl 4-hydroxybenzoate (Isobutylparaben (IBP))	4247-02-3	224-208-8	0.05	N.D.
231	Melamine (1,3,5-triazine-2,4,6-triamine)	108-78-1	203-615-4	0.05	N.D.
232	Perfluoroheptanoic acid and its salts	-	-	0.05	N.D.

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Test Result(s)

No.	Substance Name	CAS number	EC number	Reporting Limit(%)	Concentration (%)
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 (FC-770)*	-	473-390-7	0.05	N.D.
234	Bis(4-chlorophenyl) sulphone	80-07-9	201-247-9	0.05	N.D.
235	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	278-355-8	0.05	N.D.
236	2,4,6-tri-tert-butylphenol	732-26-3	211-989-5	0.05	N.D.
237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol	3147-75-9	221-573-5	0.05	N.D.
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	438-340-0	0.05	N.D.
239	Bumetrizole	3896-11-5	223-445-4	0.05	N.D.
240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	-	700-960-7	0.05	N.D.
241	Bis(α,α-dimethylbenzyl) peroxide	80-43-3	201-279-3	0.05	N.D.
242	Triphenyl phosphate(TPP)	115-86-6	204-112-2	0.05	N.D.
243	tris(4-nonylphenyl, branched) phosphite	-	701-028-2	0.05	N.D.
244	reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	421-820-9	0.05	N.D.
245	Perfluamine	338-83-0	206-420-2	0.05	N.D.
246	Octamethyltrisiloxane	107-51-7	203-497-4	0.05	N.D.
247	O,O,O-triphenyl phosphorothioate	597-82-0	209-909-9	0.05	N.D.
248	6-[(C10-C13)-alkyl-(branched, unsaturated)-2,5-dioxopyrrolidin-1-yl]hexanoic acid	2156592-54-8	701-118-1	0.05	N.D.

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Note :

1. RL = Reporting Limit, 0.05% (w/w) = 500 ppm = 500 mg/kg, 0.005% (w/w) = 50 ppm = 50 mg/kg

2. N.D. = Not detected (< RL)
N.A. = Not applicable for respective material type.
The submitted sample was found to contain significant amount of specific element(s) of SVHC. Upon further test verification and also information provided from client, the possibility that the element(s) content originate from SVHC is very unlikely, even though their presence cannot be exclude entirely. It may be assumed that the detected element(s) have a non-SVHC source.

3. *.The test result is based on the calculation of selected element(s) / marker(s) and to the worst-case scenario.
For detail information, please refer to the SGS REACH website:
www.reach.sgs.com/substance-of-very-high-concern-analysis-information-page.htm
The client is advised to review the chemical formulation to ascertain above metal substances present in the article.
RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, sodium, chromium, chromium(VI), silicon, aluminum, zirconium, boron, and potassium respectively), except molybdenum RL=0.0005%

4. **.b-TGIC is one of the isomers for TGIC compounds and hence, tested together. The reported test result is based the proposed ratio as according to ECHA dossier.

5. ***.The sample was diluted with solvent because of matrix effect, so there could be slight increase in MDL and it may have an effect on RL.

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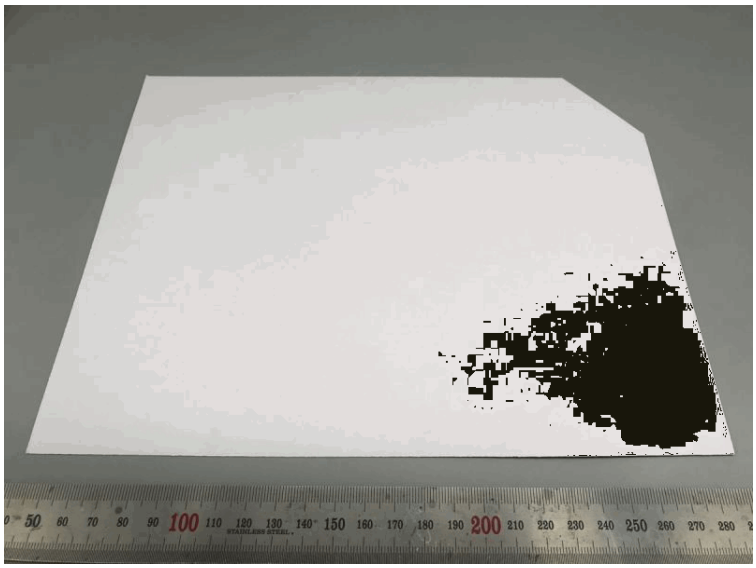
Picture of Sample as Received:



AYAA24-45849.001

*** End of Report ***

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