

# Test Report

No. F690101/LF-CTSAYHA24-00521

Issued Date: 2024. 01. 24

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**MOORIM P&P CO., LTD.**

3-36, Ubonggangyang-ro, Onsan-eup  
Ulju-gun, Ulsan  
Korea




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

<b>SGS File No.</b>	: AYHA24-00521
<b>Sample Description</b>	: Coated paper
<b>Style no./Item no.</b>	: -
<b>Order No.</b>	: -
<b>Buyer</b>	: -
<b>Manufacturer</b>	: -
<b>Country of Origin</b>	: -
<b>Country of Destination</b>	: -
<b>Received Date</b>	: 2024. 01. 17
<b>Test Period</b>	: 2024. 01. 17 to 2024. 01. 24
<b>Test Requested</b>	: As requested by client, SVHC screening is performed according to: <ul style="list-style-type: none"> <li>- Two hundred and forty (240) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jan 23, 2024 regarding Regulation (EC) No 1907/2006 concerning the REACH.</li> </ul>
<b>Test Method</b>	: For further details, please refer to following page (s)
<b>Test Results</b>	: For further details, please refer to following page (s)
<b>Report Comments</b>	: The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report is not related to Korea Laboratory Accreditation Scheme. The statement of conformity was made on the requested specification or standard. The decision rule would be based on the binary statement (Pass/Fail) according to ILAC-G8:09/2019 guideline 4.2.1 without taking measurement uncertainty into account by applicant's agreement.

Test Requested	Conclusion
According to the specified scope and analytical techniques, concentrations of tested SVHC are $\leq 0.1\%$ (w/w) in the submitted sample.	<b>PASS</b>

  
Tonny Park

  
Billy Oh

**Technical Manager / SGS Korea Co., Ltd**

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CQP-7081-F01 (01)

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## Remark :

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/web/guest/candidate-list-table> (Candidate list)

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. Companies supplying articles containing substances of very high concern (SVHCs) on the Candidate List in a concentration above 0.1% weight by weight (w/w) on the EU market must comply with the Waste Framework Directive 2008/98/EC requirement and submit SCIP notifications on these articles to ECHA, as from 5 January 2021.

- <https://echa.europa.eu/scip>

## Test Sample:

### Sample Description:

#### A. Coated paper

Sample No.	Component No.	Component Description	Remark
A	1.	[Coated paper] [PAPER]	/

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## Test Method:

SGS In-House method - Analyzed by ICP-OES, GC-MS, UV-VIS, HPLC-DAD, HPLC-MS and colorimetric method

## Test Result (Per individual component):

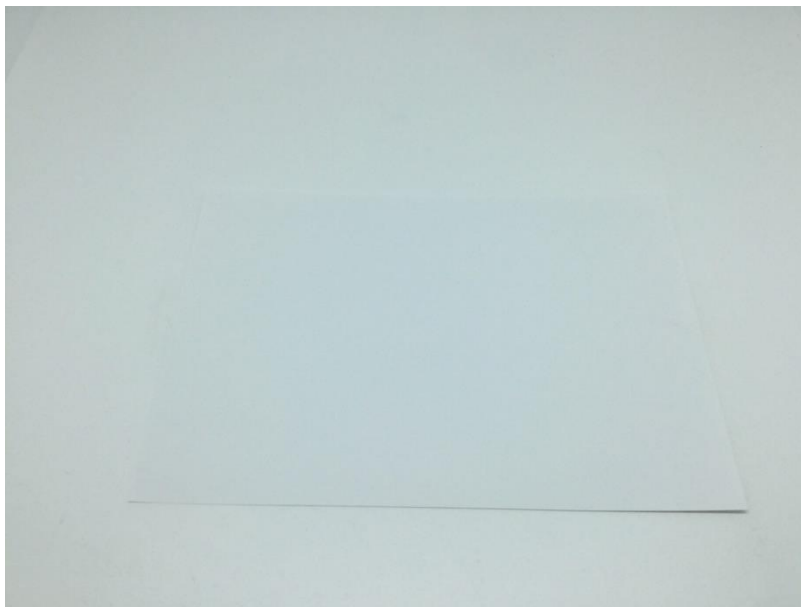
No.	Substance Name	CAS No./ EC No.	RL (%)	Concentration (%)
				1
-	All tested SVHC	-	-	N.D.

## Notes :

1. RL = Reporting Limit. All RL are based on homogenous material  
N.D. = Not detected (lower than RL), N.D. is denoted on the SVHC substance.  
NA^ = 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 excluded entirely. It may be assumed that the detected element(s) have a non-SVHC source.
2. \* The test result is based on the calculation of selected element(s) / marker(s) and to the worst-case scenario.  
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, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, titanium, barium and cadmium respectively), except molybdenum RL=0.0005%, boron RL=0.0025% (only for Lead bis(tetrafluoroborate)).
3. The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.

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**Picture of Sample as Received :**



**AYHA24-00521**

\*\*\* End of Report \*\*\*

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## Appendix

No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Oct 28, 2008							
1	4,4'-Diaminodiphenylmethane (MDA)	101-77-9/ 202-974-4	0.010	2	5-tert-butyl-2,4,6-trinitro- <i>m</i> -xylene (musk xylene)	81-15-2/ 201-329-4	0.010
3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8/ 287-476-5	0.010	4	Anthracene	120-12-7/ 204-371-1	0.010
5	Benzyl butyl phthalate (BBP)	85-68-7/ 201-622-7	0.010	6	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7/ 204-211-0	0.010
7	Bis(tributyltin)oxide (TBTO)	56-35-9/ 200-268-0	0.010	8	Cobalt dichloride*	7646-79-9/ 231-589-4	0.005
9	Diarsenic pentaoxide*	1303-28-2/ 215-116-9	0.005	10	Diarsenic trioxide*	1327-53-3/ 215-481-4	0.005
11	Dibutyl phthalate (DBP)	84-74-2/ 201-557-4	0.010	12	Hexabromocyclododecane (HBCDD)	-	0.010
13	Lead hydrogen arsenate*	7784-40-9/ 232-064-2	0.005	14	Sodium dichromate*	7789-12-0 10588-01-9/ 234-190-3	0.005
15	Triethyl arsenate*	15606-95-8/ 427-700-2	0.005				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 13, 2010							
16	2,4-Dinitrotoluene	121-14-2/ 204-450-0	0.010	17	Anthracene oil*	90640-80-5/ 292-602-7	0.010
18	Anthracene oil, anthracene paste*	90640-81-6/ 292-603-2	0.010	19	Anthracene oil, anthracene paste, anthracene fraction*	91995-15-2/ 295-275-9	0.010
20	Anthracene oil, anthracene paste; distn. Lights*	91995-17-4/ 295-278-5	0.010	21	Anthracene oil, anthracene-low*	90640-82-7/ 292-604-8	0.010
22	Diisobutyl phthalate	84-69-5/ 201-553-2	0.010	23	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)*	12656-85-8/ 235-759-9	0.005
24	Lead chromate*	7758-97-6/ 231-846-0	0.005	25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2/ 215-693-7	0.005
26	Pitch, coal tar, high temp.*	65996-93-2/ 266-028-2	0.010	27	Tris(2-chloroethyl)phosphate	115-96-8/ 204-118-5	0.010
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Mar 30, 2010							
28	Acrylamide	79-06-1/ 201-173-7	0.010				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 18, 2010							
29	Ammonium dichromate*	7789-09-5/ 232-143-1	0.005	30	Boric acid*	-	0.005
31	Disodium tetraborate, anhydrous*	1303-96-4 1330-43-4 12179-04-3/ 215-540-4	0.005	32	Potassium chromate*	7789-00-6/ 232-140-5	0.005
33	Potassium dichromate*	7778-50-9/ 231-906-6	0.005	34	Sodium chromate*	7775-11-3/ 231-889-5	0.005

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1/ 235-541-3	0.005	36	Trichloroethylene	79-01-6/ 201-167-4	0.010
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 15, 2010							
37	2-Ethoxyethanol	110-80-5/ 203-804-1	0.010	38	2-Methoxyethanol	109-86-4/ 203-713-7	0.010
39	Acids generated from chromium trioxide and their oligomers	-	0.005	40	Chromium trioxide*	1333-82-0/ 215-607-8	0.005
41	Cobalt(II) carbonate*	513-79-1/ 208-169-4	0.005	42	Cobalt(II) diacetate*	71-48-7/ 200-755-8	0.005
43	Cobalt(II) dinitrate*	10141-05-6/ 233-402-1	0.005	44	Cobalt(II) sulphate*	10124-43-3/ 233-334-2	0.005
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 20, 2011							
45	1,2,3-Trichloropropane	96-18-4/ 202-486-1	0.010	46	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6/ 276-158-1	0.010
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4/ 271-084-6	0.010	48	1-Methyl-2-pyrrolidone	872-50-4/ 212-828-1	0.010
49	2-Ethoxyethyl acetate	111-15-9/ 203-839-2	0.010	50	Hydrazine	7803-57-8 302-01-2/ 206-114-9	0.010
51	Strontium chromate*	7789-06-2/ 232-142-6	0.005				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 19, 2011							
52	1,2-Dichloroethane	107-06-2/ 203-458-1	0.010	53	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4/ 202-918-9	0.010
54	2-Methoxyaniline	90-04-0/ 201-963-1	0.010	55	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9/ 205-426-2	0.010
56	Aluminosilicate Refractory Ceramic Fibres*	-	0.005	57	Arsenic acid*	7778-39-4/ 231-901-9	0.005
58	Bis(2-methoxyethyl) ether	111-96-6/ 203-924-4	0.010	59	Bis(2-methoxyethyl) phthalate	117-82-8/ 204-212-6	0.010
60	Calcium arsenate*	7778-44-1/ 231-904-5	0.005	61	Dichromium tris(chromate)*	24613-89-6/ 246-356-2	0.005
62	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4/ 500-036-1	0.010	63	Lead diazide*	13424-46-9/ 236-542-1	0.005
64	Lead dipicrate*	6477-64-1/ 229-335-2	0.005	65	Lead styphnate*	15245-44-0/ 239-290-0	0.005
66	N,N-dimethylacetamide (DMAC)	127-19-5/ 204-826-4	0.010	67	Pentazinc chromate octahydroxide*	49663-84-5/ 256-418-0	0.005
68	Phenolphthalein	77-09-8/ 201-004-7	0.010	69	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9/ 234-329-8	0.005
70	Trilead diarsenate*	3687-31-8/ 222-979-5	0.005	71	Zirconia Aluminosilicate Refractory Ceramic Fibres*	650-017-00-8 (Index no.)	0.005

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 18, 2012							
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	0.010	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	0.010
74	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2/ 203-977-3	0.010	75	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4/ 203-794-9	0.010
76	4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8/ 202-027-5	0.010	77	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1/ 209-218-2	0.010
78	Diboron trioxide*	1303-86-2/ 215-125-8	0.005	79	Formamide	75-12-7/ 200-842-0	0.010
80	Lead(II) bis(methanesulfonate)*	17570-76-2/ 401-750-5	0.005	81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1/ 202-959-2	0.010
82	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazine-2,4,6-trione (TGIC)	2451-62-9/ 219-514-3	0.010	83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0/ 229-851-8	0.010
84	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/ 423-400-0	0.010				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 19, 2012							
85	[Phthalato(2-)]dioxotrilead*	69011-06-9/ 273-688-5	0.005	86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0/ 284-032-2	0.010
87	1,2-Diethoxyethane	629-14-1/ 211-076-1	0.010	88	1-Bromopropane	106-94-5/ 203-445-0	0.010
89	3-Ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2/ 421-150-7	0.010	90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	-	0.010
91	4,4'-Methylenedi-o-toluidine	838-88-0/ 212-658-8	0.010	92	4,4'-oxydianiline and its salts	-	0.010
93	4-Aminoazobenzene	60-09-3/ 200-453-6	0.010	94	4-Methyl- <i>m</i> -phenylenediamine	95-80-7/ 202-453-1	0.010
95	4-Nonylphenol, branched and linear	-	0.010	96	6-Methoxy- <i>m</i> -toluidine	120-71-8/ 204-419-1	0.010
97	Acetic acid, lead salt, basic*	51404-69-4/ 257-175-3	0.005	98	Biphenyl-4-ylamine	92-67-1/ 202-177-1	0.010
99	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5/ 214-604-9	0.010	100	C,C'-azodi(formamide) (ADCA)	123-77-3/ 204-650-8	0.010
101	Dibutyltin dichloride (DBTC)	683-18-1/ 211-670-0	0.010	102	Diethyl sulphate	64-67-5/ 200-589-6	0.010
103	Diisopentylphthalate (DIPP)	605-50-5/ 210-088-4	0.010	104	Dimethyl sulphate	77-78-1/ 201-058-1	0.010

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
105	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7/ 201-861-7	0.010	106	Dioxobis(stearato)trilead*	12578-12-0/ 235-702-8	0.005
107	Fatty acids, C16-18, lead salts*	91031-62-8/ 292-966-7	0.005	108	Furan	110-00-9/ 203-727-3	0.010
109	Henicosafuoroundecanoic acid	2058-94-8/ 218-165-4	0.010	110	Heptacosafuorotetradecanoic acid	376-06-7/ 206-803-4	0.010
111	Cyclohexane-1,2-dicarboxylic anhydride	-	0.010	112	Hexahydromethylphthalic anhydride	-	0.010
113	Lead bis(tetrafluoroborate)*	13814-96-5/ 237-486-0	0.005	114	Lead cyanamidate*	20837-86-9/ 244-073-9	0.005
115	Lead dinitrate*	10099-74-8/ 233-245-9	0.005	116	Lead monoxide*	1317-36-8/ 215-267-0	0.005
117	Lead oxide sulphate*	12036-76-9/ 234-853-7	0.005	118	Lead tetroxide*	1314-41-6/ 215-235-6	0.005
119	Lead titanium trioxide*	12060-00-3/ 235-038-9	0.005	120	Lead titanium zirconium oxide*	12626-81-2/ 235-727-4	0.005
121	Methoxyacetic acid	625-45-6/ 210-894-6	0.010	122	N,N-Dimethylformamide	68-12-2/ 200-679-5	0.010
123	N-Methylacetamide	79-16-3/ 201-182-6	0.010	124	N-Pentyl-isopentylphthalate	776297-69-9 /-	0.010
125	o-Aminoazotoluene	97-56-3/ 202-591-2	0.010	126	o-Toluidine	95-53-4/ 202-429-0	0.010
127	Pentacosafuorotridecanoic acid	72629-94-8/ 276-745-2	0.010	128	Pentalead tetraoxide sulphate*	12065-90-6/ 235-067-7	0.005
129	Methyloxirane (Propylene oxide)	75-56-9/ 200-879-2	0.010	130	Pyrochlore, antimony lead yellow*	8012-00-8/ 232-382-1	0.005
131	Silicic acid, barium salt, lead-doped*	68784-75-8/ 272-271-5	0.005	132	Silicic acid, lead salt*	11120-22-2/ 234-363-3	0.005
133	Sulfurous acid, lead salt, dibasic*	62229-08-7/ 263-467-1	0.005	134	Tetraethyllead*	78-00-2/ 201-075-4	0.005
135	Tetralead trioxide sulphate*	12202-17-4/ 235-380-9	0.005	136	Tricosafuorododecanoic acid	307-55-1/ 206-203-2	0.010
137	Trilead bis(carbonate)dihydroxide*	1319-46-6/ 215-290-6	0.005	138	Trilead dioxide phosphonate*	12141-20-7/ 235-252-2	0.005
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 20, 2013							
139	4-Nonylphenol, branched and linear, ethoxylated	-	0.010	140	Ammoniumpentadecafluoro octanoate (APFO)	3825-26-1/ 223-320-4	0.010
141	Cadmium	7440-43-9/ 231-152-8	0.005	142	Cadmium oxide*	1306-19-0/ 215-146-2	0.005
143	Dipentyl phthalate (DPP)	131-18-0/ 205-017-9	0.010	144	Pentadecafluorooctanoic acid (PFOA)	335-67-1/ 206-397-9	0.010
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 16, 2013							
145	Cadmium sulphide*	1306-23-6/ 215-147-8	0.005	146	Diethyl phthalate	84-75-3/ 201-559-5	0.010

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0/ 209-358-4	0.010	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	0.010
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7/ 202-506-9	0.010	150	Lead di(acetate)*	301-04-2/ 206-104-4	0.005
151	Trixylyl phosphate	25155-23-1/ 246-677-8	0.010				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 16, 2014							
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4/ 271-093-5	0.010	153	Cadmium chloride*	10108-64-2/ 233-296-7	0.005
154	Sodium perborate; perboric acid, sodium salt*	-	0.005	155	Sodium peroxometaborate*	7632-04-4/ 231-556-4	0.005
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 17, 2014							
156	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7 / 223-346-6	0.010	157	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1 / 247-384-8	0.010
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate; DOTE	15571-58-1 / 239-622-4	0.010	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)	-	0.010
160	Cadmium fluoride*	7790-79-6 / 232-222-0	0.005	161	Cadmium sulphate*	10124-36-4; 31119-53-6 / 233-331-6	0.005
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun15, 2015							
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters	-	0.010	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 stereoisomers of [1] and [2] or any combination thereof]	-	0.010
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Dec 17, 2015,							
164	1,3-propanesultone	1120-71-4 / 214-317-9	0.010	165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1 / 223-383-8	0.010

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3 / 253-037-1	0.010	167	Nitrobenzene	98-95-3 / 202-716-0	0.010
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts (PFNA)	-	0.010				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 20, 2016							
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8 / 200-028-5	0.010				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 12, 2017							
170	4,4'-Isopropylidenediphenol (Bisphenol A)	80-05-7 / 201-245-8	0.010	171	4-Heptylphenol, branched and linear	-	0.010
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salt	-	0.010	173	p-(1,1-dimethylpropyl)phenol	80-46-6 / 201-280-9	0.010
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jul 7, 2017							
174	Perfluorohexane-1-sulphonic acid and its salts	-	0.010				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 15, 2018							
175	Benz[a]anthracene	56-55-3; 1718-53-2/ 200-280-6	0.010	176	Cadmium carbonate*	513-78-0/ 208-168-9	0.005
177	Cadmium hydroxide*	21041-95-2/ 244-168-5	0.005	178	Cadmium nitrate*	10325-94-7/ 233-710-6	0.005
179	Chrysene	218-01-9; 1719-03-5/ 205-923-4	0.010	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"™)	-	0.010
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	-	0.010				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 27, 2018							
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (TMA)	552-30-7 / 209-008-0	0.010	183	Benzo[ghi]perylene	191-24-2 / 205-883-8	0.010
184	Decamethylcyclopentasiloxane (D5)	541-02-6 / 208-764-9	0.010	185	Dicyclohexyl phthalate (DCHP)	84-61-7 / 201-545-9	0.010
186	Disodium octaborate*	12008-41-2 / 234-541-0	0.005	187	Dodecamethylcyclohexasiloxane (D6)	540-97-6 / 208-762-8	0.010
188	Ethylenediamine (EDA)	107-15-3 / 203-468-6	0.010	189	Lead	7439-92-1 / 231-100-4	0.005
190	Octamethylcyclotetrasiloxane (D4)	556-67-2 / 209-136-7	0.010	191	Terphenyl, hydrogenated	61788-32-7 / 262-967-7	0.010

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 15, 2019							
192	2,2-Bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6 / 401-720-1	0.010	193	Benzo[k]fluoranthene	207-08-9 / 205-916-6	0.010
194	Fluoranthene	206-44-0 / 205-912-4	0.010	195	Phenanthrene	85-01-8 / 201-581-5	0.010
196	Pyrene	129-00-0 / 204-927-3	0.010	197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	15087-24-8 / 239-139-9	0.010
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jul 16, 2019							
198	2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	-	0.010	199	2-Methoxyethyl acetate	110-49-6 / 203-772-9	0.010
200	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	0.010	201	4-tert-butylphenol	98-54-4 / 202-679-0	0.010
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 16, 2020							
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1 / 404-360-3	0.010	203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5 / 400-600-6	0.010
204	Diisohexyl phthalate	71850-09-4 / 276-090-2	0.010	205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.010
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 25, 2020							
206	1-Vinylimidazole	1072-63-5 / 214-012-0	0.010	207	2-Methylimidazole	693-98-1 / 211-765-7	0.010
208	Butyl 4-hydroxybenzoate	94-26-8 / 202-318-7	0.010	209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4 / 245-152-0	0.010
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 19, 2021							
210	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8 / 205-594-7	0.010	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	-	0.010
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jul 8, 2021							
212	1,4-dioxane	123-91-1 / 204-661-8	0.010	213	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)	-	0.010

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	0.010	215	4,4'-(1-methylpropylidene)bisphenol	77-40-7 / 201-025-1	0.010
216	Glutaral	111-30-8 / 203-856-5	0.010	217	Medium-chain chlorinated paraffins (MCCP)	-	0.010
218	Orthoboric acid, sodium salt*	-	0.005	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)	-	0.010
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 17, 2022							
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)	-	0.010	221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1 / 204-327-1	0.010
222	S-(tricyclo[5.2.1.0 <sup>2,6</sup> ]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	0.010	223	tris(2-methoxyethoxy)vinylsilane	1067-53-4 / 213-934-0	0.010
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 10, 2022							
224	N-(hydroxymethyl)acrylamide	924-42-5 / 213-103-2	0.010				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 17, 2023							
225	1,1'-[ethane-1,2-diylbisoxyl]bis[2,4,6-tribromobenzene]	37853-59-1/ 253-692-3	0.010	226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7 / 201-236-9	0.010
227	4,4'-sulphonyldiphenol	80-09-10/ 201-250-5	0.010	228	Barium diboron tetraoxide*	13701-59-2/ 237-222-4	0.001
229	Bis(2-ethylhexyl) tetrabromophthalate	-	0.010	230	Isobutyl 4-hydroxybenzoate	4247-02-3 / 224-208-8	0.010
231	Melamine	108-78-1 / 203-615-4	0.010	232	Perfluoroheptanoic acid and its salts	-	0.010
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	0.010				
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jun 14, 2023							
234	bis(4-chlorophenyl) sulphone	80-07-9 / 201-247-9	0.010	235	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8 / 278-355-8	0.010

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No.	Substance Name	CAS No./ EC No.	RL (%)	No.	Substance Name	CAS No./ EC No.	RL (%)
Candidate List of Substances of Very High Concern (SVHC) for authorization published on Jan 23, 2024							
236	2,4,6-tri-tert-butylphenol (2,4,6-TTBP)	732-26-3/ 211-989-5	0.010	237	2-(2H-benzotriazol-2-yl)-4- (1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9/ 221-573-5	0.010
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4/ 438-340-0	0.010	239	Bumetizole (UV-326)	3896-11-5/ 223-445-4	0.010
240	Oligomerization and alkylation reaction products of 2- phenylpropene and phenol (OAPP)	--/ 700-960-7	0.010				

## Notes

1. RL = Reporting Limit. All RL are based on homogenous material
2. \* The test result is based on the calculation of selected element(s) / marker(s) and to the worst-case scenario.

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, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, titanium, barium and cadmium respectively), except molybdenum RL=0.0005%, boron RL=0.0025% (only for Lead bis(tetrafluoroborate)).

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