

Test Report

No.: EG170703086C01MVer.2

Date: May 14, 2018

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Applicant : NINGBO WIN WAY CO., LTD.
Address : 1707-1708 Office Pack No.535 Qing Shui Qiao Road Ningbo Hi-Tech Ningbo China

Sample Name : DECORATIVE LAMP
Quantity : 1pc
Model : See sample description
Lot No. : /
Supplier : /

Received Date : Jul. 03, 2017
Test Period : Jul. 03, 2017~Jul. 10, 2017

Test Summary

No.	Test Item	Test Conclusion
1	REACH regulation (EC) No. 1907/2006 the 174 Substances of Very High Concern (SVHC)	Pass

Remark: Pass: Meet the requirements; Fail: Doesn't meet the requirements; N/A: Without conclusions or provide test results only.

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

Prepared by: Danna
Mindandan, Danna
Assistant Engineer

Reviewed by: Jason
Jiang Yufeng, Jason
Technical supervisor

Approved by: Mickey
Yuan Qi, Mickey
Authorized signatory
May 14, 2018

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Sample Description

Sample No.	Sample Number	Model	Test Model
01	EG170703086C01	L166002, L166004, L165082, L166003, L165003, L165558, L171033R1, L171125, L171123, L171033, L171029, L171030, L171124, L171121, L171122, L173311, L173507, L173508, L173509, L173046R, L173047R, L173048R, L173504, L173505, L171035R, L171036R, L155694-6-7-9-13-S, L161001-7, L161001-9, L155515-B, L155201, L155088-7, L155088-9, 84490, 83620, 83621, 83716, L177310DG, L177308DG, L183075B, L183076B, L183106B, L183105B, L183059B, L181528-blue-pink-green, L183131-blue-pink-green, L183069R-blue-pink-green, L175575, L175197	L166002

Summary of Test Results

1.1 Test Method

Test Item	Test Method
the 174 Substances of Very High Concern (SVHC)	Acid digestion, Ultrasonic extraction, Headspace, Boiling-water-extraction, Alkali digestion, Oxygen bomb burning and Internal laboratory method of EMTEK

1.2 Test Instrument

Instrument Name	Manufacture	Model	Instrument No.	Calibration Valid Date
ICP-OES	Agilent	720	E-C-007	2017/09/01
UV-VIS	SHIMADZU	UV-2600	E-V-011	2017/08/30
IC	Thermo Fisher	ICS-900	E-C-011	2017/09/01
GC-MS	Agilent	7890B-5977A	E-C-001	2017/09/01
GC-MS	SHIMADZU	QP2010 Ultra	E-C-004	2017/09/06
HS-GCMS	SHIMADZU	HS-20 QP2010 Ultra	E-C-005	2017/09/06
LC-MS	SHIMADZU	LCMS 2020	E-V-010	2017/08/30
LC	SHIMADZU	LC-20AD	E-V-009	2017/08/30

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1.3 Test Result

No.	Test Item	CAS No.	EC No.	RL (%)	Result (%)	Reason
					01	
1	Anthracene	120-12-7	204-371-1	0.05	N.D.	Persistent, bioaccumulative and toxic
2	4,4'-Diaminodiphenylmethane	101-77-9	202-974-4	0.05	N.D.	Carcinogen, cat. 2
3	Dibutyl phthalate	84-74-2	201-557-4	0.05	N.D.	Toxic for reproduction, cat.2
4	Cobalt dichloride**	7646-79-9	231-589-4	0.005	N.D.	Carcinogen, cat. 2
5	Diarsenic pentaoxide **	1303-28-2	215-116-9	0.005	N.D.	Carcinogen, cat.1
6	Diarsenic trioxide **	1327-53-3	215-481-4	0.005	N.D.	Carcinogen, cat.1
7	Sodium dichromate	7789-12-0 10588-01-9	234-190-3	0.005	N.D.	Carcinogen, cat. 2; Mutagen, cat. 2; Toxic for reproduction, cat.2
8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	0.05	N.D.	Very persistent and very bioaccumulative
9	Bis (2-ethyl(hexyl)phthalate)	117-81-7	204-211-0	0.05	N.D.	Toxic for reproduction, cat.2

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No.	Test Item	CAS No.	EC No.	RL (%)	Result (%)	Reason
					01	
10	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α -HBCDD, β -HBCDD, γ -HBCDD)	25637-99-4	247-148-4 221-695-9 (134237-50-6 , 134237-51-7, 134237-52-8)	0.05	N.D.	Persistent, bioaccumulative and toxic
11	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	0.05	N.D.	Persistent, bioaccumulative and toxic Very persistent and very bioaccumulative
12	Bis(tributyltin)oxide*	56-35-9	200-268-0	0.05	N.D.	Persistent, bioaccumulative and toxic
13	Lead hydrogen arsenate**	7784-40-9	232-064-2	0.005	N.D.	Carcinogen, cat. 1 Toxic for reproduction cat. 1
14	Benzyl butyl phthalate	85-68-7	201-622-7	0.05	N.D.	Toxic for reproduction, cat.2
15	Triethyl arsenate	15606-95-8	427-700-2	0.005	N.D.	Carcinogen, cat. 1

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No.	Test Item	CAS No.	EC No.	RL (%)	Result (%)	Reason
					01	
16	Anthracene oil	90640-80-5	292-602-7	0.05	N.D.	Persistent, bioaccumulative and toxic Very persistent and very bioaccumulative; Carcinogen, category 2
17	Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5	0.05	N.D.	Persistent, bioaccumulative and toxic
18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	0.05	N.D.	Very persistent and very bioaccumulative
19	Anthracene oil, anthracene-low	90640-82-7	292-604-8	0.05	N.D.	e; Carcinogen, category 2;
20	Anthracene oil, anthracene paste	90640-81-6	292-603-2	0.05	N.D.	Mutagen, category 2
21	Coal tar pitch, high temperature	65996-93-2	266-028-2	0.05	N.D.	Persistent, bioaccumulative and toxic; Very persistent and very bioaccumulative; Carcinogen, category 2
22	2,4-Dinitrotoluene	121-14-2	204-450-0	0.05	N.D.	Carcinogen, category 2
23	Diisobutyl phthalate(DIBP)	84-69-5	201-553-2	0.05	N.D.	Toxic for reproduction, category 2

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No.	Test Item	CAS No.	EC No.	RL (%)	Result (%)	Reason
					01	
24	Lead chromate**	7758-97-6	231-846-0	0.005	N.D.	Carcinogen, category 2; Toxic for reproduction, category 1
25	Lead chromate molybdate sulphate red **(C. I. Pigment Red 104)	12656-85-8	235-759-9	0.005	N.D.	Carcinogen, category 2; Toxic for reproduction, category 1
26	Lead sulfochromate yellow** (C. I. Pigment Yellow 34)	1344-37-2	215-693-7	0.005	N.D.	Carcinogen, category 2; Toxic for reproduction, category 1
27	Tris(2-chloroethyl) phosphate	115-96-8	204-118-5	0.05	N.D.	Toxic for reproduction, category 2
28	Acrylamide	79-06-1	201-173-7	0.05	N.D.	Carcinogen, category 2; Mutagen, category 2
29	Trichloroethylene	79-01-6	201-167-4	0.05	N.D.	carcinogen, category 2
30	Boric acid **	10043-35-3 11113-50-1	233-139-2 234-343-4	0.005	N.D.	toxic for reproduction, category 2
31	Disodium tetraborate, anhydrous **	1303-96-4 1330-43-4 12179-04-3	215-540-4	0.005	N.D.	toxic for reproduction, category 2
32	Tetraboron disodium heptaoxide, hydrate **	12267-73-1	235-541-3	0.005	N.D.	toxic for reproduction, category 2

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No.	Test Item	CAS No.	EC No.	RL (%)	Result (%)	Reason
					01	
33	Sodium chromate **	7775-11-3	231-889-5	0.005	N.D.	carcinogen, category 2; mutagen, category 2; toxic for reproduction, category 2
34	Potassium chromate **	7789-00-6	232-140-5	0.005	N.D.	carcinogen, category 2; mutagen, category 2
35	Ammonium dichromate **	7789-09-5	232-143-1	0.005	N.D.	carcinogen, category 2; mutagen, category 2; toxic for reproduction, category 2
36	Potassium dichromate **	7778-50-9	231-906-6	0.005	N.D.	carcinogen, category 2; mutagen, category 2; toxic for reproduction, category 2
37	Cobalt(II) sulphate**	10124-43-3	233-334-2	0.005	N.D.	Carcinogenic and toxic to reproduction in accordance with REACH Art. 57(a) and 57(c)

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					01	
38	Cobalt(II) dinitrate**	10141-05-6	233-402-1	0.005	N.D.	Carcinogenic and toxic to reproduction in accordance with REACH Art. 57(a) and 57(c)
39	Cobalt (II) carbonate**	513-79-1	208-169-4	0.005	N.D.	Carcinogenic and toxic to reproduction in accordance with REACH Art. 57(a) and 57(c)
40	Cobalt(II) diacetate**	71-48-7	200-755-8	0.005	N.D.	Carcinogenic and toxic to reproduction in accordance with REACH Art. 57(a) and 57(c)
41	2-Methoxyethanol	109-86-4	203-713-7	0.05	N.D.	Toxic to reproduction in accordance with REACH Art. 57(c)
42	2-Ethoxyethanol	110-80-5	203-804-1	0.05	N.D.	Toxic to reproduction in accordance with REACH Art. 57(c)

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					01	
43	Chromium trioxide**	1333-82-0	215-607-8	0.005	N.D.	Carcinogenic and mutagenic in accordance with REACH Art. 57(a) and 57(b)
44	Acids generated from chromium trioxide and their oligomers** Group containing: Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid	7738-94-5 13530-68-2	231-801-5 236-881-5	0.005	N.D.	Carcinogenic in accordance with REACH Art. 57(a)
45	2-ethoxyethyl acetate	111-15-9	203-839-2	0.05	N.D.	Art. 57 (c), toxic for reproduction
46	Strontium chromate**	7789-06-2	232-142-6	0.005	N.D.	Art. 57 (a), carcinogenic
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	271-084-6	0.05	N.D.	Art. 57 (c), toxic for reproduction
48	Hydrazine	302-01-2 7803-57-8	206-114-9	0.05	N.D.	Art. 57 (a), carcinogenic
49	1-methyl-2-pyrrolidone	872-50-4	212-828-1	0.05	N.D.	Art. 57 (c), toxic for reproduction
50	1,2,3-trichloropropane	96-18-4	202-486-1	0.05	N.D.	Art. 57 (a) & (c), carcinogenic & toxic for reproduction

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51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	276-158-1	0.05	N.D.	Art. 57 (c), toxic for reproduction
52	Lead styphnate**	15245-44-0	239-290-0	0.005	N.D.	Art. 57 (c), toxic for reproduction
53	Lead diazide, Lead azide**	13424-46-9	236-542-1	0.005	N.D.	Art. 57 (c), toxic for reproduction
54	Lead dipicrate**	6477-64-1	229-335-2	0.005	N.D.	Art. 57 (c), toxic for reproduction
55	Phenolphthalein	77-09-8	201-004-7	0.05	N.D.	Art. 57 (a), carcinogenic
56	2,2'-Dichloro-4,4'-methylenedianiline	101-14-4	202-918-9	0.05	N.D.	Art. 57 (a), carcinogenic
57	N,N-dimethylacetamide	127-19-5	204-826-4	0.05	N.D.	Art. 57 (c), toxic for reproduction
58	Trilead diarsenate**	3687-31-8	222-979-5	0.005	N.D.	Art. 57 (a) & (c), carcinogenic & toxic for reproduction
59	Calcium arsenate**	7778-44-1	231-904-5	0.005	N.D.	Art. 57 (a), carcinogenic
60	Arsenic acid**	7778-39-4	231-901-9	0.005	N.D.	Art. 57 (a), carcinogenic
61	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	0.05	N.D.	Art. 57 (c), toxic for reproduction
62	1,2-Dichloroethane	107-06-2	203-458-1	0.05	N.D.	Art. 57 (a), carcinogenic

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					01	
63	4-(1,1,3,3-Tetramethylbutyl)phenol; 4-tert-octyl phenol	140-66-9	205-426-2	0.05	N.D.	Art. 57 (f), equivalent level of concern having probable serious effects to the environment
64	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	0.05	N.D.	Art. 57 (a), carcinogenic
65	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	0.05	N.D.	Art. 57 (c), toxic for reproduction
66	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	0.05	N.D.	Art. 57 (a), carcinogenic
67	Zirconia Aluminosilicate Refractory Ceramic Fibres***	/	/	0.005	N.D.	Art. 57 (a), carcinogenic
68	Aluminosilicate Refractory Ceramic Fibres***	/	/	0.005	N.D.	Art. 57 (a), carcinogenic
69	Pentazinc chromate octahydroxide**	49663-84-5	256-418-0	0.005	N.D.	Art. 57 (a), carcinogenic
70	Potassium hydroxyoctaoxodizincate dichromate**	11103-86-9	234-329-8	0.005	N.D.	Art. 57 (a), carcinogenic
71	Dichromium tris(chromate)**	24613-89-6	246-356-2	0.005	N.D.	Art. 57 (a), carcinogenic

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72	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.	Carcinogenic (Article 57a)
73	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	0.05	N.D.	Carcinogenic (Article 57a)
74	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	0.05	N.D.	Mutagenic (Article 57b)
75	Diboron trioxide**	1303-86-2	215-125-8	0.005	N.D.	Toxic for reproduction (Article 57 c)
76	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	0.05	N.D.	Toxic for reproduction (Article 57 c)
77	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	209-218-2	0.05	N.D.	Carcinogenic (Article 57a)
78	Lead(II) bis(methanesulfonate)	17570-76-2	401-750-5	0.005	N.D.	Toxic for reproduction (Article 57 c)
79	Formamide	75-12-7	200-842-0	0.05	N.D.	Toxic for reproduction (Article 57 c)
80	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride ****	548-62-9	208-953-6	0.05	N.D.	Carcinogenic (Article 57a)

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81	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	0.05	N.D.	Toxic for reproduction (Article 57 c)
82	[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.	Carcinogenic (Article 57a)
83	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	219-514-3	0.05	N.D.	Mutagenic (Article 57b)
84	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5	0.05	N.D.	Carcinogenic (Article 57a)
85	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4]	25550-51-0 , 19438-60-9 , 48122-14-1 , 57110-29-9	247-094-1, 243-072-0, 256-356-4, 260-566-1	0.05	N.D.	Equivalent level of concern having probable serious effects to human health (Article 57 f)
86	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	0.05	N.D.	Carcinogenic (Article 57a)
87	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3]	85-42-7, 13149-00-3 , 14166-21-3	201-604-9, 236-086-3, 238-009-9	0.05	N.D.	Equivalent level of concern having probable serious effects to human health (Article 57 f)

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No.	Test Item	CAS No.	EC No.	RL (%)	Result (%)	Reason
					01	
88	Pyrochlore, antimony lead yellow	8012-00-8	232-382-1	0.005	N.D.	Toxic for reproduction (Article 57 c)
89	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	0.05	N.D.	vPvB (Article 57 e)
90	4-Aminoazobenzene	60-09-3	200-453-6	0.05	N.D.	Carcinogenic (Article 57a)
91	Silicic acid, lead salt **	11120-22-2	234-363-3	0.005	N.D.	Toxic for reproduction (Article 57 c)
92	Lead titanium zirconium oxide **	12626-81-2	235-727-4	0.005	N.D.	Toxic for reproduction (Article 57 c)
93	Lead monoxide (lead oxide) ***	1317-36-8	215-267-0	0.005	N.D.	Toxic for reproduction (Article 57 c)
94	o-Toluidine	95-53-4	202-429-0	0.05	N.D.	Carcinogenic (Article 57a)
95	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	0.05	N.D.	Toxic for reproduction (Article 57 c)
96	Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	0.05	N.D.	Toxic for reproduction (Article 57 c)
97	Lead bis(tetrafluoroborate) **	13814-96-5	237-486-0	0.005	N.D.	Toxic for reproduction (Article 57 c)
98	Lead dinitrate **	10099-74-8	233-245-9	0.005	N.D.	Toxic for reproduction (Article 57 c)
99	Silicic acid (H ₂ SiO ₅), barium salt (1:1), lead-doped**	68784-75-8	272-271-5	0.005	N.D.	Toxic for reproduction (Article 57 c)

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No.	Test Item	CAS No.	EC No.	RL (%)	Result (%)	Reason
					01	
100	Trilead bis(carbonate)dihydroxide**	1319-46-6	215-290-6	0.005	N.D.	Toxic for reproduction (Article 57 c)
101	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	0.05	N.D.	Carcinogenic (Article 57a)
102	Diethyl sulphate	64-67-5	200-589-6	0.05	N.D.	Carcinogenic (Article 57a); Mutagenic (Article 57b)
103	Dimethyl sulphate	77-78-1	201-058-1	0.05	N.D.	Carcinogenic (Article 57a)
104	N,N-dimethylformamide	68-12-2	200-679-5	0.05	N.D.	Toxic for reproduction (Article 57 c)
105	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	/	/	0.05	N.D.	Equivalent level of concern having probable serious effects to the environment (Article 57 f)
106	4-Nonylphenol, branched and linear	/	/	0.05	N.D.	Equivalent level of concern having probable serious effects to the environment (Article 57 f)
107	Furan	110-00-9	203-727-3	0.05	N.D.	Carcinogenic (Article 57a)

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No.	Test Item	CAS No.	EC No.	RL (%)	Result (%)	Reason
					01	
108	Lead oxide sulfate **	12036-76-9	234-853-7	0.005	N.D.	Toxic for reproduction (Article 57 c)
109	Lead titanium trioxide **	12060-00-3	235-038-9	0.005	N.D.	Toxic for reproduction (Article 57 c)
110	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9	0.05	N.D.	PBT (Article 57 d); vPvB (Article 57 e)
111	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	0.05	N.D.	Toxic for reproduction (Article 57 c)
112	1,2-Diethoxyethane	629-14-1	211-076-1	0.05	N.D.	Toxic for reproduction (Article 57 c)
113	N-methylacetamide	79-16-3	201-182-6	0.05	N.D.	Toxic for reproduction (Article 57 c)
114	Tetralead trioxide sulphate **	12202-17-4	235-380-9	0.005	N.D.	Toxic for reproduction (Article 57 c)
115	Acetic acid, lead salt, basic **	51404-69-4	257-175-3	0.005	N.D.	Toxic for reproduction (Article 57 c)
116	[Phthalato(2-)]dioxotrilead d**	69011-06-9	273-688-5	0.005	N.D.	Toxic for reproduction (Article 57 c)
117	Tetraethyllead **	78-00-2	201-075-4	0.005	N.D.	Toxic for reproduction (Article 57 c)

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No.	Test Item	CAS No.	EC No.	RL (%)	Result (%)	Reason
					01	
118	N-pentyl-isopentylphthalate	776297-69-9	/	0.005	N.D.	Toxic for reproduction (Article 57 c)
119	Pentalead tetraoxide sulphate **	12065-90-6	235-067-7	0.005	N.D.	Toxic for reproduction (Article 57 c)
120	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	0.05	N.D.	vPvB (Article 57 e)
121	Tricosafuorododecanoic acid	307-55-1	206-203-2	0.05	N.D.	vPvB (Article 57 e)
122	1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	0.05	N.D.	Toxic for reproduction (Article 57 c)
123	Dioxobis(stearato)trilead	12578-12-0	235-702-8	0.005	N.D.	Toxic for reproduction (Article 57 c)
124	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	0.05	N.D.	vPvB (Article 57 e)
125	Methoxyacetic acid	625-45-6	210-894-6	0.05	N.D.	Toxic for reproduction (Article 57 c)
126	Methyloxirane (Propylene oxide)	75-56-9	200-879-2	0.05	N.D.	Carcinogenic (Article 57a); Mutagenic (Article 57b)
127	Trilead dioxide phosphonate	12141-20-7	235-252-2	0.005	N.D.	Toxic for reproduction (Article 57 c)
128	o-aminoazotoluene	97-56-3	202-591-2	0.05	N.D.	Carcinogenic (Article 57a)
129	4-methyl-m-phenylenediamine	95-80-7	202-453-1	0.05	N.D.	Carcinogenic (Article 57a)

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No.	Test Item	CAS No.	EC No.	RL (%)	Result (%)	Reason
					01	
130	Diisopentylphthalate	605-50-5	210-088-4	0.05	N.D.	Toxic for reproduction (Article 57 c)
131	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	0.05	N.D.	Toxic for reproduction (Article 57 c)
132	Biphenyl-4-ylamine	92-67-1	202-177-1	0.05	N.D.	Carcinogenic (Article 57a)
133	Fatty acids, C16-18, lead salts **	91031-62-8	292-966-7	0.005	N.D.	Toxic for reproduction (Article 57 c)
134	Orange lead (lead tetroxide) **	1314-41-6	215-235-6	0.005	N.D.	Toxic for reproduction (Article 57 c)
135	4,4'-oxydianiline and its salts	101-80-4	202-977-0	0.05	N.D.	Carcinogenic (Article 57a); Mutagenic (Article 57b)
136	Diazeno-1,2-dicarboxamide (C,C'-azodi (formamide))	123-77-3	204-650-8	0.05	N.D.	Equivalent level of concern having probable serious effects to human health (Article 57 f)
137	Sulfurous acid, lead salt, dibasic **	62229-08-7	263-467-1	0.005	N.D.	Toxic for reproduction (Article 57 c)
138	Lead cyanamidate **	20837-86-9	244-073-9	0.005	N.D.	Toxic for reproduction (Article 57 c)

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No.	Test Item	CAS No.	EC No.	RL (%)	Result (%)	Reason
					01	
139	Cadmium	7440-43-9	231-152-8	0.005	N.D.	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57 f)
140	Cadmium oxide	1306-19-0	215-146-2	0.005	N.D.	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (effects on kidney and bone) (Article 57 f)
141	Dipentyl phthalate (DPP)	131-18-0	205-017-9	0.05	N.D.	Toxic for reproduction (Article 57 c); PBT (Article 57 d)
142	4-Nonylphenol, branched and linear, ethoxylated	/	/	0.05	N.D.	Toxic for reproduction (Article 57 c); PBT (Article 57 d)

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No.	Test Item	CAS No.	EC No.	RL (%)	Result (%)	Reason
					01	
143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	0.05	N.D.	Toxic for reproduction (Article 57 c); PBT (Article 57 d)
144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	0.05	N.D.	Toxic for reproduction (Article 57 c); PBT (Article 57 d)
145	Cadmium sulphide**	1306-23-6	215-147-8	0.005	N.D.	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57 f)
146	Dihexyl phthalate	84-75-3	201-559-5	0.05	N.D.	Toxic for reproduction (Article 57 c)
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	0.05	N.D.	Carcinogenic (Article 57a)

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No.	Test Item	CAS No.	EC No.	RL (%)	Result (%)	Reason
					01	
148	Disodium 4-amino-3-[[4'-(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulfonate (C.I. Direct Black 38)	1937-37-7	217-710-3	0.05	N.D.	Carcinogenic (Article 57a)
149	Imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7	202-506-9	0.05	N.D.	Toxic for reproduction (Article 57 c)
150	Lead di(acetate)**	301-04-2	206-104-4	0.005	N.D.	Toxic for reproduction (Article 57 c)
151	Trixylyl phosphate	25155-23-1	246-677-8	0.05	N.D.	Toxic for reproduction (Article 57 c)
152	Cadmium chloride**	10108-64-2	233-296-7	0.005	N.D.	Carcinogenic (Article 57a); Mutagenic (Article 57b); Toxic for reproduction (Article 57 c); Equivalent level of concern having probable serious effects to human health (Article 57 f)

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No.	Test Item	CAS No.	EC No.	RL (%)	Result (%)	Reason
					01	
153	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	0.05	N.D.	Toxic for reproduction (Article 57 c)
154	Sodium perborate**	7632-04-4	231-556-4	0.005	N.D.	Toxic for reproduction (Article 57 c)
155	Sodium perborate; perboric acid, sodium salt **	/	239-172-9 234-390-0	0.005	N.D.	Toxic for reproduction (Article 57C)
156	2-(2'-Hydroxy-3',5'-di-tert-butylphenyl)benzotriazole (UV-320)	3846-71-7	223-346-6	0.05	N.D.	PBT (Article 57 d); vPvB (Article 57 e)
157	UV-328	25973-55-1	247-384-8	0.05	N.D.	PBT (Article 57 d); vPvB (Article 57 e)
158	Cadmium fluoride**	7790-79-6	232-222-0	0.005	N.D.	PBT (Article 57 d); vPvB (Article 57 e)

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No.	Test Item	CAS No.	EC No.	RL (%)	Result (%)	Reason
					01	
159	Cadmium sulphate**	10124-36-4 ; 31119-53-6	233-331-6	0.005	N.D.	Carcinogenic (Article 57a); Mutagenic (Article 57a); Toxic for reproduction (Article 57 c); Equivalent level of concern having probable serious effects to human health (Article 57 f)
160	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.	Toxic for reproduction (Article 57 c);
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	N.D.	Toxic for reproduction (Article 57 c);

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No.	Test Item	CAS No.	EC No.	RL (%)	Result (%)	Reason
					01	
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	68515-51-5 68648-93-1	271-094-0 272-013-1	0.05	N.D.	Toxic for Reproduction (Article 57 c)
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]	/	/	0.05	N.D.	vPvB (Article 57 e)
164	Nitrobenzene	98-95-3	202-716-0	0.05	N.D.	Toxic for reproduction (Article 57 c)
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	0.05	N.D.	vPvB (Article 57 e)
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.	vPvB (Article 57 e)

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No.	Test Item	CAS No.	EC No.	RL (%)	Result (%)	Reason
					01	
167	1,3-propanesultone	1120-71-4	214-317-9	0.05	N.D.	Carcinogenic (Article 57 a)
168	Perfluorononan-1-oic acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3	0.05	N.D.	Toxic for reproduction (Article 57 c) PBT (Article 57 d)
169	Benzo[a]pyrene	50-32-8	200-028-5	0.05	N.D.	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	201-245-8	0.05	N.D.	Toxic for reproduction (Article 57c)
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2 3830-45-3 3108-42-7	206-400-3 / 221-470-5	0.05	N.D.	Toxic for reproduction (Article 57c); PBT (Article 57d)
172	p-(1,1-dimethylpropyl)phenol	80-46-6	201-280-9	0.05	N.D.	Equivalent level of concern having probable serious effects to environment (Article 57f)

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No.	Test Item	CAS No.	EC No.	RL (%)	Result (%)	Reason
					01	
173	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.	Equivalent level of concern having probable serious effects to environment (Article 57f)
174#	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	/	/	0.05	N.D.	vPvB (Article 57 e)

Note:

- 1) N.D.=Not Detected(Less Than RL)
- 2) RL=Report Limit
- 3) 0.1%=1000mg/kg
- 4) *The substance is calculated by using the test results of Tributyl Tin (testing instrument: GC-MS).
- 5) **The substance is calculated by using the test results of element (Ex. Arsenic, Lead, Cobalt, Sodium, Boron or Cr (VI) respectively (testing instrument: ICP-OES)).
- 6) ***All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the Regulation on Classification, Labeling and Packing of Chemical substances and mixtures, the so called CLP Regulation (Regulation (EC) No 1272/2008).
- 7) ****The substance does only fulfil the criteria of REACH Art. 57 (a) if it contains Michler's ketone (EC Number: 202-027-5) or Michler's base (EC Number: 202-959-2) in a concentration $\geq 0.1\%$ (weight / weight).
- 8) The SVHC concentration is based on the assessment of the result and the characteristic of material.
- 9) Definition of classification is listed on Appendix A of this report in accordance with 67/548/EEC and Regulation (EC) No 1907/2006.
- 10) # ECHA/PR/17/12.

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11) According to the same material provided by the customer, the product models provided by the customer are the same material.

Appendix A:

Classification	Definition under 67/548/EEC AND Regulation (EC) No1907/2006
Carcinogen Category 1	: Substances known to be carcinogenic to man. There is sufficient evidence to establish a causal association between human exposure to a substance and the development of cancer.
Carcinogen Category 2	: Substances which should be regarded as if they are carcinogenic to man. There is sufficient evidence to provide a strong presumption that human exposure to a substance may result in the development of cancer. Generally on the basis of: - appropriate long-term animal studies - other relevant information.
Mutagen Category 1	: Substances known to be mutagenic to man. There is sufficient evidence to establish a causal association between human exposure to substances and heritable genetic damage.
Mutagen Category 2	: Substances which should be regarded as if they are mutagenic to man. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in the development of heritable genetic damage, generally on the basis of: - appropriate animal studies - other relevant information.
Toxic to Reproduction Category 1	: Substances known to impair fertility in humans. There is sufficient evidence to establish a causal relationship between human exposure to the substance and impaired fertility. Substances known to cause developmental toxicity in humans. There is sufficient evidence to establish a causal relationship between human exposure to the substance and subsequent developmental toxic effects in the progeny.
Toxic to Reproduction Category 2	: Substances which should be regarded as if they impair fertility in humans. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in impaired fertility in the basis of: - clear evidence in animal studies of impaired fertility in the absence of toxic effects, or, evidence of impaired fertility occurring at around the same dose levels as other toxic effects - other relevant information Substances which should be regarded as if they cause developmental toxicity to humans. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in developmental toxicity, generally on the basis

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of:

- clear results in appropriate animal studies where effects have been observed in the absence of signs of marked maternal toxicity, or at around the same dose levels as other toxic effects but which are not a secondary non-specific consequence of the other toxic effects.
- other relevant information.

PBT & vPvB : Substances which are persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) pose a particular challenge to the chemicals safety management. For these substances a "safe" concentration in the environment cannot be established with sufficient reliability.

Note:

1. The chemical analysis of 173 SVHC is performed by means of currently available analytical techniques against the list publishes by ECHA on Oct. 28, 2008, Jan. 13, 2010, Mar. 30, 2010, Jun. 18, 2010, Dec. 15, 2010, Jun. 20, 2011, Dec. 19, 2011, Jun. 18, 2012, Dec. 19, 2012, Jun. 20, 2013 Dec. 16, 2013, Jun. 16, 2014, Dec. 17, 2014, Jun. 15, 2015, Dec. 17, 2015, Jun. 20, 2016 and Jan. 12, 2017 shall refer to http://echa.europa.eu/chem_data/candidate_list_en.asp This is an up-to-date version of the list as well as background information on is and related obligations.
2. In accordance with regulation (EC) No 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the condition in Article 57 and is identified in accordance with Article 59(1) of the regulation, if (a) the substance is present in these articles in quantities totalling over one tonne per producer or importer per year and (b) the substance is present in those articles above & 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.

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Sample Photo



Declaration:

Report EG170703086C01MVer.1 was repealed and replaced by report EG170703086C01MVer.2

*** End of Report ***

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