



## Test Report

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Date: May.22,2018

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Applicant: Westcoast of Sweden Int.AB  
Address: Backegardsv. 1, 45930, Ljungskile, Sweden

### Sample Information

Sample Name: Normal Black 600×600D/PVC、Normal Black 1680D/PVC、  
Normal Black Ripstop/PVC  
Style No. GF-CL180515A、GF-CL180515B、GF-CL180515C  
Sample Received Date: May.16,2018  
Test Period: May.16,2018 to May.22,2018

### Summary of Test Results

Test Requested:	Conclusion
1.As specified by client, refer to EU Regulation (EC) No 1907/2006 (REACH), to screen one hundred and eighty-one (181) Substances of Very High Concern (SVHC) in the submitted sample. The list is the one that is published by European Chemicals Administration (ECHA) on 7th July, 2017.	Fail

\*\*\*\*\*

Edited by: \_\_\_\_\_  
Wuyuezhu(Amy)

Reviewed by: \_\_\_\_\_  
Wangzhongyi(Zoe)

Approved by: \_\_\_\_\_  
Wangzhongyi(Zoe)



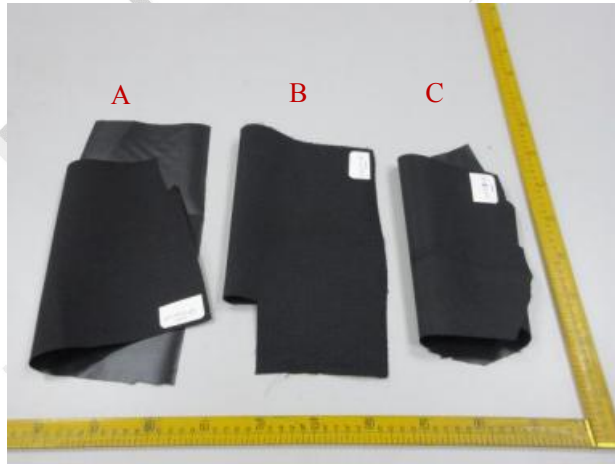
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### The Photo(s) of Sample(s)



\*\*\* Only responsible for the submitted samples \*\*\*

### Sample Description List:

No.	Sample Description
A	Black Fabric
B	Black Fabric
C	Black Fabric



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## Test Result(s):

## Substance information &amp; Method &amp; Result(s) :

Unit: %

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	Result(s)
					A+B+C
1	Anthracene	AfPS GS 2014:01 PAK GC-MS	120-12-7	204-371-1	N.D.
2	4,4'-Diaminodiphenylmethane	EPA 3550C-2007& EPA 8270D:2014 GC-MS	101-77-9	202-974-4	N.D.
3	Dibutyl phthalate (DBP)	EN 14372-2004 GC-MS	84-74-2	201-557-4	0.03
4	Bis(2-ethylhexyl) phthalate (DEHP)		117-81-7	204-211-0	<b>4.57</b>
5	Benzyl butyl phthalate (BBP)		85-68-7	201-622-7	N.D.
6	Bis(tributyltin)oxide (TBTO) *	ISO 17353-2004(E) GC-MS	56-35-9	200-268-0	N.D.
7	5-tert-butyl-2,4,6- trinitro-m-xylene (musk xylene)	EPA 3550C-2007& EPA 8270D:2014 GC-MS	81-15-2	201-329-4	N.D.
8	Hexabromocyclododecane and all major diastereoisomers identified:( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD) (HBCDD)		25637-99- 4	247-148-4 221-695-9	N.D.
			3194-55-6 (134237-5 1-7		
			134237-5 0-6		
			134237-5 2-8)		
9	Short Chain Chlorinated Paraffins,C10~C13 (SCCPs)	85535-84- 8	287-476-5	N.D.	
10	Lead hydrogen arsenate*	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES	7784-40-9	232-064-2	N.D.
11	Triethyl arsenate*		15606-95- 8	427-700-2	N.D.
12	Diarsenic pentaoxide*		1303-28-2	215-116-9	N.D.
13	Diarsenic trioxide*		1327-53-3	215-481-4	N.D.
14	Cobalt dichloride*	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 &EN14582:2007 ICP-OES &IC	7646-79-9	231-589-4	N.D.



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					A+B+C+D
15	Sodium dichromate*	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES & UV-Vis	7789-12-0, 10588-01-9	234-190-3	N.D.
Second batch					
16	<sup>①</sup> Anthracene oil	AFPS GS 2014:01 PAK GC-MS	90640-80-5	292-602-7	N.D.
17	<sup>①</sup> Anthracene oil, anthracene paste, distn. Lights****		91995-17-4	295-278-5	N.D.
18	<sup>①</sup> Anthracene oil, anthracene paste, anthracene fraction		91995-15-2	295-275-9	N.D.
19	<sup>①</sup> Anthracene oil, anthracene-low		90640-82-7	292-604-8	N.D.
20	<sup>①</sup> Anthracene oil, anthracene paste		90640-81-6	292-603-2	N.D.
21	Diisobutyl phthalate (DIBP)	EN 14372-2004 GC-MS	84-69-5	201-553-2	0.04
22	2,4-Dinitrotoluene	EPA 3550C-2007& EPA 8270D:2014 GC-MS	121-14-2	204-450-0	N.D.
23	<sup>②</sup> Lead chromate	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES & UV-Vis	7758-97-6	231-846-0	N.D.
24	<sup>②</sup> Lead chromate molybdate sulphate red (C.I. Pigment Red 104) ***		12656-85-8	235-759-9	N.D.
25	<sup>②</sup> Lead sulfochromate yellow(C.I. Pigment Yellow 34) ***		1344-37-2	215-693-7	N.D.
26	<sup>①</sup> Pitch, coal tar, high temperature	AFPS GS 2014:01 PAK GC-MS	65996-93-2	266-028-2	N.D.
27	Tris(2-chloroethyl)phosph ate (TCEP)	EPA 3540C-1996& EPA 8270D:2014 GC-MS	115-96-8	204-118-5	N.D.
28	Acrylamide	EPA 3550C-2007& EPA 8321B-2007 HPLC	79-06-1	201-173-7	N.D.



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					A+B+C+D
Third batch					
29	Trichloroethylene	EPA 3550C-2007& EPA 8270D:2014 GC-MS	79-01-6	201-167-4	N.D.
30	Boric acid*	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES	10043-35-3 11113-50-1	233-139-2 234-343-4	N.D.
31	Disodium tetraborate, anhydrous*		1330-43-4 12179-04-3 1303-96-4	215-540-4	N.D.
32	Tetraboron disodium heptaoxide, hydrate*		12267-73-1	235-541-3	N.D.
33	Sodium chromate*		7775-11-3	231-889-5	N.D.
34	Potassium chromate*	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES & UV-Vis	7789-00-6	232-140-5	N.D.
35	Ammonium dichromate*		7789-09-5	232-143-1	N.D.
36	Potassium dichromate*		7778-50-9	231-906-6	N.D.
Fourth batch					
37	Chromium trioxide*	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES & UV-Vis	1333-82-0	215-607-8	N.D.
38	2-Methoxyethanol	EPA 3550C-2007& EPA 8270D:2014 GC-MS	109-86-4	203-713-7	N.D.
39	2-Ethoxyethanol		110-80-5	203-804-1	N.D.
40	Cobalt(II) diacetate*	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES	71-48-7	200-755-8	N.D.
41	Cobalt(II) carbonate*		513-79-1	208-169-4	N.D.
42	Cobalt(II) dinitrate*		10141-05-6	233-402-1	N.D.
43	Cobalt(II) sulphate*		10124-43-3	233-334-2	N.D.
44	Acids generated from chromium trioxide* and their oligomers: Chromic acid, Dichromic acid Oligomers of chromic acid and dichromic acid	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES & UV-Vis	7738-94-5 13530-68-2	231-801-5 236-881-5	N.D.



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No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	Result(s)
					A+B+C+D
Fifth batch					
45	2-ethoxyethyl acetate (2-EEA)	EPA 3550C-2007& EPA 8270D:2014 GC-MS	111-15-9	203-839-2	N.D.
46	strontium chromate*	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES & UV-Vis	7789-06-2	232-142-6	N.D.
47	<sup>①</sup> 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	EN 14372-2004 GC-MS	68515-42-4	271-084-6	N.D.
48	Hydrazine	EPA 3550C-2007& EPA 8270D:2014 GC-MS	7803-57-8 302-01-2	206-114-9	N.D.
49	1-methyl-2-pyrrolidone		872-50-4	212-828-1	N.D.
50	1,2,3-trichloropropane		96-18-4	202-486-1	N.D.
51	<sup>①</sup> 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	EN 14372-2004 GC-MS	71888-89-6	276-158-1	N.D.
Sixth batch					
52	Dichromium tris(chromate) *	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES & UV-Vis	24613-89-6	246-356-2	N.D.
53	Potassium hydroxyoctaoxodizincate di-chromate*		11103-86-9	234-329-8	N.D.
54	Pentazinc chromate octahydroxide (C.I. pigment yellow 36)***	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES	49663-84-5	256-418-0	N.D.
55	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	EPA 3550C-2007& EPA 8321B-2007 HPLC	25214-70-4	500-036-1	N.D.
56	Bis(2-methoxyethyl) phthalate (DMEP)	EN 14372-2004 GC-MS	117-82-8	204-212-6	N.D.



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					A+B+C+D
57	2-Methoxyaniline; o-Anisidine	EPA 3550C-2007& EPA 8270D:2014 GC-MS	90-04-0	201-963-1	N.D.
58	4-(1,1,3,3- tetramethylbutyl)phenol, (4-tert-Octylphenol)		140-66-9	205-426-2	N.D.
59	1,2-Dichloroethane		107-06-2	203-458-1	N.D.
60	Bis(2-methoxyethyl) ether		111-96-6	203-924-4	N.D.
61	Arsenic acid*	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES	7778-39-4	231-901-9	N.D.
62	Calcium arsenate*		7778-44-1	231-904-5	N.D.
63	Trilead diarsenate*		3687-31-8	222-979-5	N.D.
64	N,N-dimethylacetamide (DMAC)	EPA 3550C-2007& EPA 8270D:2014 GC-MS	127-19-5	204-826-4	N.D.
65	Phenolphthalein	EPA 3550C-2007& EPA 8321B-2007 HPLC	77-09-8	201-004-7	N.D.
66	2,2'-dichloro-4,4'-methyle nedianiline (MOCA)	EPA 3550C-2007& EPA 8270D:2014 GC-MS	101-14-4	202-918-9	N.D.
67	Lead azide; Lead diazide*	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES	13424-46-9	236-542-1	N.D.
68	Lead styphnate*		15245-44-0	239-290-0	N.D.
69	Lead dipicrate*	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES	6477-64-1	229-335-2	N.D.
70	®Aluminosilicate, Refractory Ceramic Fibres		-	-	N.D.
71	®Zirconia Aluminosilicate, Refractory Ceramic Fibres	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES	-	-	N.D.
Seventh batch					
72	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	EPA 3550C-2007& EPA 8270D:2014 GC-MS	112-49-2	203-977-3	N.D.



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					A+B+C+D
Seventh batch					
73	1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	EPA 3550C-2007& EPA 8270D:2014 GC-MS	110-71-4	203-794-9	N.D.
74	Diboron trioxide	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES	1303-86-2	215-125-8	N.D.
75	Lead(II)bis(methanesulfon ate)*	EPA 3550C-2007& EPA 8270D:2014 GC-MS	17570-76-2	401-750-5	N.D.
76	Formamide	EPA 3550C-2007& EPA 8270D:2014 GC-MS	75-12-7	200-842-0	N.D.
77	TGIC(1,3,5-tris (oxiranylmethyl)- 1,3,5-triazine-2,4,6 (1H,3H,5H)-trione)	EPA 3550C-2007& EPA 8321B-2007 HPLC	2451-62-9	219-514-3	N.D.
78	$\beta$ -TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]- 1,3,5-triazine-2,4,6- (1H,3H,5H)-trione)	EPA 3550C-2007& EPA 8321B-2007 HPLC	59653-74-6	423-400-0	N.D.
79	4,4'-bis(dimethylamino)be nzophenone (Michler's ketone)	EPA 3550C-2007& EPA 8270D:2014 GC-MS	90-94-8	202-027-5	N.D.
80	N,N,N',N'-tetramethyl- 4,4'-methylenedianiline (Michler's base)	EPA 3550C-2007& EPA 8270D:2014 GC-MS	101-61-1	202-959-2	N.D.
81	[4-[4,4'-bis(dimethylamin o)benzhydryli dene]cyclohexa-2,5-dien- 1-ylidene]dim ethylammonium chloride (C.I. Basic Violet 3)	EPA 3550C-2007& EPA 8321B-2007 HPLC	548-62-9	208-953-6	N.D.
82	[4-[[4-anilino-1-naphthyl][ 4-(dimethylamino) phenyl]methylene]cyclohe xa-2,5-dien-1-ylidene] dimethylammoniumchlori de (C.I. Basic Blue 26)	EPA 3550C-2007& EPA 8321B-2007 HPLC	2580-56-5	219-943-6	N.D.





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					A+B+C+D
83	$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	EPA 3550C-2007& EPA 8321B-2007 HPLC	6786-83-0	229-851-8	N.D.
84	4,4'-bis(dimethylamino)-4'-(methylamino)trityl alcohol		561-41-1	209-218-2	N.D.
Eighth batch					
85	Bis(pentabromophenyl) ether (DecaBDE)	IEC 62321-2013 GC-MS	1163-19-5	214-604-9	N.D.
86	Pentacosafuorotridecanoic acid	EPA 3550C-2007& EPA 8321B-2007 HPLC	72629-94-8	276-745-2	N.D.
87	Tricosafuorododecanoic acid		307-55-1	206-203-2	N.D.
88	Henicosafuoroundecanoic acid		2058-94-8	218-165-4	N.D.
89	Heptacosafuorotetradecanoic acid		376-06-7	206-803-4	N.D.
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated -covering well-defined substances and UVCB substances, polymers and homologues <sup>①</sup>		-	-	N.D.
91	<sup>①</sup> 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	EPA 3550C-2007& EPA 8270D:2014 GC-MS		-	N.D.
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	EPA 3550C-2007& EPA 8321B-2007 HPLC	123-77-3	204-650-8	N.D.



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					A+B+C+D
93	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	EPA 3550C-2007& EPA 8270D:2014 GC-MS	25550-51-0 19438-60-9 48122-14-1 57110-29-9	247-094-1 243-072-0 256-356-4 260-566-1	N.D.
94	Hexahydrophthalic anhydride - HHPA		85-42-7	201-604-9	N.D.
95	Methoxy acetic acid		625-45-6	210-894-6	N.D.
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear		84777-06-0	284-032-2	N.D.
97	Diisopentylphthalate (DIPP)	EN 14372-2004 GC-MS	605-50-5	210-088-4	N.D.
98	N-pentyl- isopentylphthalate	EPA 3550C-2007& EPA 8270D:2014 GC-MS	776297-69-9	-	N.D.
99	1,2-Diethoxyethane	EPA 3550C-2007& EPA 8270D:2014 GC-MS	629-14-1	211-076-1	N.D.
100	N,N-dimethylformamide; dimethyl formamide		68-12-2	200-679-5	N.D.
101	Dibutyltin dichloride (DBTC)*	ISO 17353-2004(E) GC-MS	683-18-1	211-670-0	N.D.
102	Acetic acid, lead salt, basic*	EPA 3050B-1996& EPA 3052-1996& EPA6010C-2007 ICP-OES	51404-69-4	257-175-3	N.D.
103	Basic lead carbonate (trileadbis(carbonate) dihydroxide) *		1319-46-6	215-290-6	N.D.
104	Lead oxide sulfate (basic lead sulfate) *		12036-76-9	234-853-7	N.D.
105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)*		69011-06-9	273-688-5	N.D.
106	ioxobis(stearato)trilead*		12578-12-0	235-702-8	N.D.
107	Fatty acids, C16-18, lead salts*		91031-62-8	292-966-7	N.D.
108	Lead bis(tetrafluoroborate)*		13814-96-5	237-486-0	N.D.
109	Lead cyanamidate*		20837-86-9	244-073-9	N.D.



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					A+B+C+D
110	Lead dinitrate*	EPA 3050B-1996& EPA 3052-1996& EPA6010C-2007 ICP-OES	10099-74-8	233-245-9	N.D.
111	Lead oxide (lead monoxide)*		1317-36-8	215-267-0	N.D.
112	Lead tetroxide (orange lead)*		1314-41-6	215-235-6	N.D.
113	Lead titanium trioxide*		12060-00-3	235-038-9	N.D.
114	Lead Titanium Zirconium Oxide*		12626-81-2	235-727-4	N.D.
115	<sup>2</sup> Pentalead tetraoxide sulphate*		12065-90-6	235-067-7	N.D.
116	<sup>2</sup> Pyrochlore, antimony lead yellow C.I.*		8012-00-8	232-382-1	N.D.
117	<sup>2</sup> Silicic acid, barium salt, lead-doped*		68784-75-8	272-271-5	N.D.
118	Silicic acid, lead salt*		11120-22-2	234-363-3	N.D.
119	Sulfurous acid, lead salt, dibasic*		62229-08-7	263-467-1	N.D.
120	Tetraethyllead*		EPA 3050B-1996& EPA 3052-1996& EPA6010C-2007 ICP-OES	78-00-2	201-075-4
121	Tetralead trioxide sulphate*	12202-17-4	235-380-9	N.D.	
122	Trilead dioxide phosphonate*	12141-20-7	235-252-2	N.D.	
123	Furan	EPA 3550C-2007& EPA 8270D:2014 GC-MS	110-00-9	203-727-3	N.D.
124	Propylene oxide	EPA 3550C-2007& EPA 8270D:2014 HS-GC-MS	75-56-9	200-879-2	N.D.
125	Diethyl sulphate	EPA 3550C-2007& EPA 8321B-2007 HPLC	64-67-5	200-589-6	N.D.
126	Dimethyl sulphate		77-78-1	201-058-1	N.D.
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazoli dine	EPA 3550C-2007& EPA 8270D:2014 GC-MS	143860-04-2	421-150-7	N.D.
128	Dinoseb		88-85-7	201-861-7	N.D.
129	4,4'-methylenedi-o-toluidine		838-88-0	212-658-8	N.D.
130	4,4'-oxydianiline and its salts		101-80-4	202-977-0	N.D.



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131	4-Aminoazobenzene; 4-Phenylazoaniline	EPA 3550C-2007& EPA 8270D:2014 GC-MS	60-09-3	200-453-6	N.D.
132	4-methyl-m- phenylenediamine (2,4-toluene-diamine)		95-80-7	202-453-1	N.D.
133	2-Methoxy-5- methylaniline		120-71-8	204-419-1	N.D.
134	Biphenyl-4-ylamine		92-67-1	202-177-1	N.D.
135	o-aminoazotoluene		97-56-3	202-591-2	N.D.
136	o-Toluidine; 2-Aminotoluene		95-53-4	202-429-0	N.D.
137	N-methylacetamide	EPA 3550C-2007& EPA 8270D:2014 HPLC	79-16-3	201-182-6	N.D.
138	1-bromo-propane	EPA 3550C-2007& EPA 8270D:2014 HS-GC-MS	106-94-5	203-445-0	N.D.
Ninth batch					
139	Cadmium	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES	7440-43-9	231-152-8	N.D.
140	Cadmium oxide*		1306-19-0	215-146-2	N.D.
141	④4-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]	EPA 3550C-2007& EPA 8270D:2014 GC-MS	-	-	N.D.



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## Substance information &amp; Method &amp; Result(s) :

Unit: %

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	Result(s)
					A+B+C+D
142	Ammonium pentadecafluorooctanoate (APFO)	EPA 3550C-2007& EPA 8321B-2007 HPLC	3825-26-1	223-320-4	N.D.
143	Pentadecafluorooctanoic acid (PFOA)		335-67-1	206-397-9	N.D.
144	Dipentyl phthalate (DPP)	EN 14372-2004 GC-MS	131-18-0	205-017-9	N.D.
Tenth batch					
145	Cadmium sulphide *	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES	1306-23-6	215-147-8	N.D.
146	Dihexyl phthalate	EN 14372-2004 GC-MS	84-75-3	201-559-5	N.D.
147	<sup>2</sup> Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	EPA 3550C-2007& EPA 8321B-2007 HPLC	573-58-0	209-358-4	N.D.
148	<sup>2</sup> 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	N.D.
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	EPA 3550C-2007& EPA 8270D:2014 GC-MS	96-45-7	202-506-9	N.D.
150	Trixylyl phosphate		25155-23-1	246-677-8	N.D.
151	Lead di(acetate) *	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES	301-04-2	206-104-4	N.D.
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	EN 14372-2004 GC-MS	68515-50-4	271-093-5	N.D.



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## Substance information &amp; Method &amp; Result(s):

Unit: %

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	Result(s)
					A+B+C+D
153	Cadmium chloride	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES	10108-64-2	233-296-7	N.D..
154	Sodium perborate; perboric acid, sodium salt		-	239-172-9 234-390-0	N.D.
155	Sodium peroxometaborate		7632-04-4	231-556-4	N.D.
Twelfth batch					
156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	EPA 3550C-2007& EPA 8321B-2007 HPLC	25973-55-1	247-384-8	N.D.
157	2-(2'-Hydroxy-3',5'-di-tert-butylphenyl)benzotriazole (UV-320)		3846-71-7	223-346-6	N.D.
158	2-ethylhexyl-10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannate tradecanoate (DOTE)	EPA 3550C-2007& EPA 8270D:2014 GC-MS	15571-58-1	239-622-4	N.D.
159	Reaction mass of 2-ethylhexyl-10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannate tradecanoate (DOTE) and 2-ethylhexyl-10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (MOTE) (EC No.:248-227-6,CAS No.:27107-89-7)		-	-	N.D.
160	Cadmium Fluoride	EPA 3050B-1996& EPA 3052-1996& EPA 6010C-2007 ICP-OES	7790-79-6	232-222-0	N.D.
161	Cadmium Sulphate		10124-36-4; 31119-53-6	233-331-6	N.D.



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## Substance information &amp; Method &amp; Result(s) :

Unit: %

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	Result(s)
					A+B+C+D
Thirteenth batch					
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 (EC No. 201-559-5)	EPA 3550C-2007& EPA 8270D:2014 GC-MS	68515-51-5 68648-93-1	271-094-0 272-013-1	N.D.
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane <sup>[1]</sup> , 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane <sup>[2]</sup> [covering any of the individual isomers of <sup>[1]</sup> and <sup>[2]</sup> or any combination thereof]	EPA 3550C-2007& EPA 8270D:2014 GC-MS	-	-	N.D.
164	1,3-propanesultone	EPA 3540C-1996, GC-FID	1120-71-4	214-317-9	N.D.
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	EPA 3540C-1996& EPA 8321B-2007, HPLC	3864-99-1	223-383-8	N.D.
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)		36437-37-3	253-037-1	N.D.
167	Nitrobenzene	EPA 3540C-1996, GC-FID	98-95-3	202-716-0	N.D.
168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptafluorononanoic acid and its sodium and ammonium salts	EPA 3540C-1996& EPA 8321B-2007, LC-MS	375-95-1, 21049-39-8 4149-60-4	206-801-3	N.D.



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## Substance information &amp; Method &amp; Result(s) :

Unit: %

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	Result(s)
					A+B+C+D
Fifteenth batch					
169	Benzo[def]chrysene (Benzo[a]pyrene)	AfPS GS 2014:01 PAK GC-MS	50-32-8	200-028-5	N.D.
170	Bisphenol A (BPA)	EPA3550C:2007 & EPA 8321B-2007, HPLC	80-05-7	201-245-8	N.D.
171	Nonadecafluorodecanoic acid (PFDA) and its sodium salt and ammonium salt	EPA3550C:2007 & EPA 8321B-2007, HPLC	3108-42-7 335-76-2 3830-45-3	- 206-400-3 221-470-5	N.D.
172	4-Heptylphenol(4-HPbl), branched and linear,(substances with a linear and / or branched alkyl chain with 7 covalently bound predominantly in position 4 to phenol, covering also UVCB and well-defined substances, which include any of the individual isomers and / or a combinations thereof)	EPA 3550C-2007& EPA 8270D-2014 GC-MS	-	-	N.D.
173	p-(1,1-dimethylpropyl) phenol(PTAP)	EPA 3550C-2007& EPA 8270D-2014 GC-MS	80-46-4	201-280-9	N.D.
174	Perfluorohexane-1- sulphonic acid and its salts	EPA 3550C-2007& EPA 8270D-2014 GC-MS	355-46-4	—	N.D.





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## Substance information &amp; Method &amp; Result(s) :

Unit: %

No.	Substance Name(s)	Refer to Method/ Equipment	CAS No.	EC No.	Result(s)
					A+B+C+D
175	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioxy-7- Oxo-8-oxa-3,5-dithia-4- stanatra Anoate and 2-ethylhexyl 10-thyl-4- [[2 -(2 -ethylhexyloxy ] -2-oxoethyl]thio]-4-octyl -7-oxo-8-oxa3,5-dithia-4 -stannatetradecanoate (reaction mass of DOTE and MOTE )cb	-	-	-	N.D.
176	benz[a]anthracene	-	200-280-6	56-55-3	N.D.
177	cadmium nitrate	-	233-710-6	10325-94-7	N.D.
178	Cadmium carbonate	-	208-168-9	513-76-0	N.D.
179	Cadmium hydroxide	-	244-168-5	21041-95-2	N.D.
180	chrysene	-	205-923-4	218-01-9	N.D.
181	ormaldehyde and 4- heptylphenol, branched and linear(RP- HP) [with≥0.1%w/w 4 heptylphenol,branched and linear	-	-	-	N.D.

## Remarks:

It is beyond the scope of ability of qualification

The report limit = Results below this value will be stated as N.D.

As specified by client, the designated submitted samples were mixed to test.

The limit of 0.1% (w/w) applies to per article.



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**Note:** - N.D.=Not Detected (<report limit)

-0.1%=1000mg/kg

-mg/kg=ppm=parts per million

-\*: Inorganic SVHC compounds are obtained by converting the test results of cobalt, chloride, sodium, arsenic, chromium, potassium, lead, boron, zirconium, titanium, tin, phosphorus, calcium, zinc, strontium, molybdenum, aluminum and cadmium elements, and confirmed through the appropriate solvent extraction. At the same time, customers are suggested to check the chemical formula table, to further confirm whether above materials are contained.

-\*\*: All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the Regulation

on Classification, Labeling and Packaging of chemical substances and mixtures, the so called CLP Regulation (Regulation(EC) No 1272/2008).

-\*\*\*: C.I.:Colour Index

-\*\*\*\*: Light fractions from distillation

-①: In view of the substances are established as UVCB substances(substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances.

-②: In view of the substance contain variable substances, the test results are calculated based on main constituents of the representative compounds for the substances, and the test results of the representative compounds are calculated based on the result of specified heavy metal elements.

#=Due to the test results are mixed, there is a risk that some of the materials in samples will not pass the test results

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

This report is considered invalidated without the Special Seal for Inspection of the FJHJ. This report shall not be altered, increased or deleted. The results shown in this test report refer only to the sample(s) tested. Without written approval of FJHJ, this report shall not be copied except in full and published as advertisement.