

Report No.: STRD1601023	S	Date: 2016-01-11	Page 1 of 9
Applicant : Shenz	hen	Honcell Energy Co., Ltd.	
Applicant Address : 612, B	ldg.	A, Weidonglong Industrial Zone, Meilong Ave.194	I#, Longhua New District,
Shenz	hen,	518109, China.	
The following sample was	subr	nitted by the client as:	
Manufacturer	:	Shenzhen Honcell Energy Co., Ltd.	
Address	:	612, Bldg. A, Weidonglong Industrial Zone, Meile District, Shenzhen, 518109, China.	ong Ave.194#, Longhua New
Sample Description	:	Lithium-ion polymer battery	
Style/Item No.	:	HCP402025W	
Brand Name	:	N/A	
Sample Receiving Date	:	Jan. 04, 2016	
Test Period		Jan. 04, 2016 to Jan. 11, 2016	

#### **Test Requested:**

As requested by the applicant, test(s) was/were performed as below:

Т	est Summary	Conclusion
1	European Regulation (EC) No.1907/2006 (REACH) Article 59(10) on the candidate list of Substances of Very High Concern (SVHC) for authorization (168 items till 17/12/2015)	PASS*

\*Pass indicates the concentration of all listed SVHCs is less than 0.1%.

Test Results: Please refer to following page(s).

Signed for and on behalf of Shenzhen SEM.Test Technology Co., Ltd.

Ailis Ma

Ailis Ma **PSQ Executive** 

Declaration:

The report shall not be reproduced partly without the written approval of the laboratory, except in full produced.
All the results shown in the report apply to the tested sample, any erasion on the report is invalid
All tested sample will be kept for one month, if there is any doubt about the test result, please inform within this period

Shenzhen SEM.Test Technology Co., Ltd. 1/F, Building A, Hongwei Industrial Park, Liuxian 2nd Road, Bao'an District, Shenzhen, P.R.C. (518101)



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#### **REACH SVHCs test**

Test method used: acid digestion, solvent extraction, screening method Instrument used for analysis: ICP-OES, GC-MS, LC-MS, HS-GC-MS, IC, UV-vis, XRF

No	Test item(s)	Results (%)
110.		Whole product
1	Anthracene	ND
2	Benzyl butyl phthalate (BBP)	ND
3	Dibutyl phthalate (DBP)	ND
4	Bis (2-ethylhexyl) phthalate (DEHP)	ND
5	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ- HBCDD)	ND
6	4,4'-Diaminodiphenylmethane	ND
7	Alkanes, C10-13,chloro (Short Chain Chlorinated Paraffins)	ND
8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	ND
9	Triethyl arsenate $ riangle$	ND
10	Bis(tributyltin)oxide (TBTO) $ riangle$	ND
11	Cobalt dichloride∆	ND
12	Diarsenic pentaoxide $ riangle$	ND
13	Diarsenic trioxide∆	ND
14	Sodium dichromate∆	ND
15	Lead hydrogen arsenate $ riangle$	ND
16	2,4-dinitrotoluene	ND
17	Anthracene oil	ND
18	Anthracene oil,anthracene paste	ND
19	Anthracene oil, anthracene paste, anthracene fraction	ND
20	Anthracene oil, anthracene paste, distn. lights	ND
21	Anthracene oil, anthracene-low	ND
22	Di isobutyl phthalate	ND
23	Lead chromate	ND
24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) $\triangle$	ND
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34) $\triangle$	ND
26	Pitch, coal tar, high temp	ND

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Report No.: STRD1601023S Date: 2016-01-11 Page 3 of 9 27 Tris(2-chloroethyl) phosphate ND 28 ND Acrylamide 29 Disodium tetraborate, anhydrous∆ ND 30 Potassium chromate△ ND 31 Potassium dichromate ND 32 ND Sodium chromate  $\wedge$ 33 Tetraboron disodium heptaoxide, hydrate $\triangle$ ND 34 Trichloroethylene ND 35 Boric acid $\triangle$ ND 36 ND Ammonium dichromate 37 ND 2-Methoxyethanol 38 2-Ethoxyethanol ND 39 Chromic acid $\triangle$ ND 40 Cobalt (II) diacetate△ ND 41 Cobalt (II) sulphate  $\triangle$ ND 42 Cobalt (II) dinitrate△ ND 43 Cobalt (II) carbonate△ ND 44 Chromium trioxide△ ND 45 2-ethoxyethyl acetate ND 46 Strontium chromate ND 1,2-Benzenedicarboxylic acid, di-C7-11-branched and 47 ND linear alkyl esters 48 Hydrazine ND 49 1-methyl-2-pyrrolidone ND 50 1,2,3-trichloropropane ND 1.2-Benzenedicarboxylicacid, di-C6-8-branched alkyl 51 ND esters, C7-rich 52 Dichromium tris(chromate)  $\triangle$ ND Potassium hydroxyoctaoxodizincate 53 ND di-chromate∆ 54 Pentazinc chromate octahydroxide∆ ND Aluminosilicate Refractory Ceramic 55 ND Fibres (RCF) △ 56 Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-ND RCF) Formaldehyde, oligomeric reaction 57 ND products with aniline (technical MDA) 58 Bis(2-methoxyethyl) phthalate (DMEP) ND

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2-Methoxyaniline: o-Anisidine

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ND



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60	4-(1,1,3,3-tetramethylbutyl) phenol	ND
61	1,2-Dichloroethane	ND
62	Bis(2-methoxyethyl) ether	ND
63	Arsenic acid∆	ND
64	Calcium arsenate∆	ND
65	Trilead diarsenate $ riangle$	ND
66	N,N-dimethylacetamide (DMAC)	ND
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	ND
68	Phenolphthalein	ND
69	Lead azide; Lead diazide $ riangle$	ND
70	Lead styphnate $ riangle$	ND
71	Lead dipicrate∆	ND
72	α,α-Bis[4-(dimethylamino)phenyl]- 4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	ND
73	N,N,N',N'-tetramethyl-4,4'-methylenedianiline	ND
74	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl] -1,3,5-triazine- 2,4,6-(1H,3H,5H)-trione (β-TGIC)	ND
75	Diboron trioxide∆	ND
76	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	ND
77	4,4'-bis(dimethylamino)-4"-(methylamino)trityl alcohol [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	ND
78	Lead(II) bis(methanesulfonate) $\triangle$	ND
79	Formamide	ND
80	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa- 2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	ND
81	1,2-dimethoxyethane; ethylene glycol dimethyl ether(EGDME)	ND
82	[4-[[4-anilino-1-naphthyl]][4- (dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1- ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	ND
83	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	ND
84	4,4'-bis(dimethylamino)benzophenone	ND
85	Pyrochlore, antimony lead yellow $ riangle$	ND
86	6-methoxy-m-toluidine (p-cresidine)	ND
87	Henicosafluoroundecanoic acid	ND
88	Hexahydromethylphthalic anhydride , Hexahydro-4-methylphthalic anhydride ,	ND

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-	89	Hexahydro-1-methylphthalic anhydride , Hexahydro-3-methylphthalic anhydride Cyclohexane-1,2-dicarboxylic anhydride , cis-cyclohexane-1,2-dicarboxylic anhydride, trans-	ND
-	90	cyclohexane-1,2-dicarboxylic anhydride	ND
-	91		ND
-	92		
-	93		
-	94		
-	95		ND
-	96	Lead monoxide (lead oxide) $\wedge$	ND
	97		ND
_	98	3-ethyl-2-methyl-2-(3-methylbutyl)-1 3-oxazolidine	ND
-	99	Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped $\triangle$	ND
	100	Trilead bis(carbonate)dihydroxide△	ND
	101	Furan	ND
	102	N,N-dimethylformamide	ND
	103	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	ND
-	104	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]	ND
	105	4,4'-methylenedi-o-toluidine	ND
	106	Diethyl sulphate	ND
	107	Dimethyl sulphate	ND
	108	Lead oxide sulfate $ riangle$	ND
	109	Lead titanium trioxide $ riangle$	ND
	110	Acetic acid, lead salt, basic $ riangle$	ND
_	111	[Phthalato(2-)]dioxotrilead $ riangle$	ND
	112	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	ND
_	113	N-methylacetamide	ND
ŀ	114	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	ND
ŀ	115	1,2-Diethoxyethane	ND
	116	Tetralead trioxide sulphate $ riangle$	ND

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N-pentyl-isopentylphthalate ND ND Dioxobis(stearato)trilead  $\triangle$ Tetraethyllead  $\triangle$ ND Pentalead tetraoxide sulphate  $\triangle$ ND Pentacosafluorotridecanoic acid ND Tricosafluorododecanoic acid ND

1241-bromopropane (n-propyl bromide)ND125Methoxyacetic acidND1264-methyl-m-phenylenediamine (toluene-2,4-diamine)ND127Methyloxirane (Propylene oxide)ND128Trilead dioxide phosphonate $\triangle$ ND129o-aminoazotolueneND1301,2-Benzenedicarboxylic acid, dipentylester, branched and linearND1314,4'-oxydianiline and its saltsND132Orange lead (lead tetroxide) $\triangle$ ND133Biphenyl-4-ylamineND134DiisopentylphthalateND135Fatty acids, C16-18, lead salts $\triangle$ ND136Diazene-1,2-dicarboxamide(C,C'-azodi(formamide))ND137Sulfurous acid, lead salt, dibasic $\triangle$ ND138Lead cyanamidate $\triangle$ ND140CadmiumND141Dipentyl phthalate (DPP)ND1424-Nonylphenol, branched and linear, ethoxylated <i>[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]ND143Ammonium pentadecafluorooctanoate (APFO)ND144Pentadecafluorooctanoic acid (PFOA)ND145Cadmium sulphide <math>\triangle</math>ND146Direct Red 28ND147Direct Black 38ND</i>	123	Heptacosafluorotetradecanoic acid	ND
125Methoxyacetic acidND1264-methyl-m-phenylenediamine (toluene-2,4-diamine)ND127Methyloxirane (Propylene oxide)ND128Trilead dioxide phosphonate $\triangle$ ND129o-aminoazotolueneND1301,2-Benzenedicarboxylic acid, dipentylester, branched and linearND1314,4'-oxydianiline and its saltsND132Orange lead (lead tetroxide) $\triangle$ ND133Biphenyl-4-ylamineND134DiisopentylphthalateND135Fatty acids, C16-18, lead salts $\triangle$ ND136Diazene-1,2-dicarboxamide(C,C'-azodi(formamide))ND137Sulfurous acid, lead salt, dibasic $\triangle$ ND138Lead cyanamidate $\triangle$ ND140Cadmium oxide $\triangle$ ND141Dipentyl phthalate (DPP)ND1424-Nonylphenol, branched and linear, ethoxylated <i>[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]ND143Ammonium pentadecafluorooctanoate (APFO)ND144Pentadecafluorooctanoic acid (PFOA)ND145Cadmium sulphide <math>\triangle</math>ND146Direct Red 28ND147Direct Black 38ND</i>	124	1-bromopropane (n-propyl bromide)	ND
1264-methyl-m-phenylenediamine (toluene-2,4-diamine)ND127Methyloxirane (Propylene oxide)ND128Trilead dioxide phosphonate $\triangle$ ND129o-aminoazotolueneND1301,2-Benzenedicarboxylic acid, dipentylester, branched and linearND1314,4'-oxydianiline and its saltsND132Orange lead (lead tetroxide) $\triangle$ ND133Biphenyl-4-ylamineND134DiisopentylphthalateND135Fatty acids, C16-18, lead salts $\triangle$ ND136Diazene-1,2-dicarboxamide(C,C'-azodi(formamide))ND137Sulfurous acid, lead salt, dibasic $\triangle$ ND138Lead cyanamidate $\triangle$ ND140CadmiumND1424-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]ND143Ammonium pentadecafluorooctanoate (APFO)ND144Pentadecafluorooctanoic acid (PFOA)ND145Cadmium sulphide $\triangle$ ND146Direct Red 28ND147Direct Black 38ND	125	Methoxyacetic acid	ND
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128Trilead dioxide phosphonate $\triangle$ ND129o-aminoazotolueneND1301,2-Benzenedicarboxylic acid, dipentylester, branched and linearND1314,4'-oxydianiline and its saltsND132Orange lead (lead tetroxide) $\triangle$ ND133Biphenyl-4-ylamineND134DiisopentylphthalateND135Fatty acids, C16-18, lead salts $△$ ND136Diazene-1,2-dicarboxamide(C,C'-azodi(formamide))ND137Sulfurous acid, lead salt, dibasic $△$ ND138Lead cyanamidate $△$ ND140CadmiumND141Dipentyl phthalate (DPP)ND1424-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]ND143Ammonium pentadecafluorooctanoate (APFO)ND144Pentadecafluorooctanoic acid (PFOA)ND145Cadmium sulphide $△$ ND146Direct Red 28ND147Direct Black 38ND	127	Methyloxirane (Propylene oxide)	ND
129o-aminoazotolueneND1301,2-Benzenedicarboxylic acid, dipentylester, branched and linearND1314,4'-oxydianiline and its saltsND132Orange lead (lead tetroxide) $\triangle$ ND133Biphenyl-4-ylamineND134DiisopentylphthalateND135Fatty acids, C16-18, lead salts $△$ ND136Diazene-1,2-dicarboxamide(C,C'-azodi(formamide))ND137Sulfurous acid, lead salt, dibasic $△$ ND138Lead cyanamidate $△$ ND140CadmiumND141Dipentyl phthalate (DPP)ND1424-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 t o phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]ND143Ammonium pentadecafluorooctanoate (APFO)ND144Pentadecafluorooctanoic acid (PFOA)ND145Cadmium sulphide $△$ ND146Direct Red 28ND147Direct Black 38ND	128	Trilead dioxide phosphonate $ riangle$	ND
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132Orange lead (lead tetroxide) △ND133Biphenyl-4-ylamineND134DiisopentylphthalateND135Fatty acids, C16-18, lead salts △ND136Diazene-1,2-dicarboxamide(C,C'-azodi(formamide))ND137Sulfurous acid, lead salt, dibasic △ND138Lead cyanamidate △ND139CadmiumND140Cadmium oxide △ND141Dipentyl phthalate (DPP)ND1424-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 	131	4,4'-oxydianiline and its salts	ND
133Biphenyl-4-ylamineND134DiisopentylphthalateND135Fatty acids, C16-18, lead salts $\triangle$ ND136Diazene-1,2-dicarboxamide(C,C'-azodi(formamide))ND137Sulfurous acid, lead salt, dibasic $\triangle$ ND138Lead cyanamidate $\triangle$ ND139CadmiumND140Cadmium oxide $△$ ND141Dipentyl phthalate (DPP)ND1424-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]ND143Ammonium pentadecafluorooctanoate (APFO)ND144Pentadecafluorooctanoic acid (PFOA)ND145Cadmium sulphide $△$ ND146Direct Red 28ND147Direct Black 38ND	132	Orange lead (lead tetroxide) $ riangle$	ND
134   Diisopentylphthalate   ND     135   Fatty acids, C16-18, lead salts △   ND     136   Diazene-1,2-dicarboxamide(C,C'-azodi(formamide))   ND     137   Sulfurous acid, lead salt, dibasic △   ND     138   Lead cyanamidate △   ND     139   Cadmium   ND     140   Cadmium oxide △   ND     141   Dipentyl phthalate (DPP)   ND     142   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]   ND     143   Ammonium pentadecafluorooctanoate (APFO)   ND     144   Pentadecafluorooctanoic acid (PFOA)   ND     145   Cadmium sulphide △   ND     146   Direct Red 28   ND     147   Direct Black 38   ND	133	Biphenyl-4-ylamine	ND
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136   Diazene-1,2-dicarboxamide(C,C'-azodi(formamide))   ND     137   Sulfurous acid, lead salt, dibasic △   ND     138   Lead cyanamidate △   ND     139   Cadmium   ND     140   Cadmium oxide △   ND     141   Dipentyl phthalate (DPP)   ND     142   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]   ND     143   Ammonium pentadecafluorooctanoate (APFO)   ND     144   Pentadecafluorooctanoic acid (PFOA)   ND     145   Cadmium sulphide △   ND     146   Direct Red 28   ND     147   Direct Black 38   ND	135	Fatty acids, C16-18, lead salts $ riangle$	ND
137   Sulfurous acid, lead salt, dibasic △   ND     138   Lead cyanamidate △   ND     139   Cadmium   ND     140   Cadmium oxide △   ND     141   Dipentyl phthalate (DPP)   ND     142   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]   ND     143   Ammonium pentadecafluorooctanoate (APFO)   ND     144   Pentadecafluorooctanoic acid (PFOA)   ND     145   Cadmium sulphide △   ND     146   Direct Red 28   ND     147   Direct Black 38   ND	136	Diazene-1,2-dicarboxamide(C,C'-azodi(formamide))	ND
138   Lead cyanamidate △   ND     139   Cadmium   ND     140   Cadmium oxide △   ND     141   Dipentyl phthalate (DPP)   ND     142   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]   ND     143   Ammonium pentadecafluorooctanoate (APFO)   ND     144   Pentadecafluorooctanoic acid (PFOA)   ND     145   Cadmium sulphide △   ND     146   Direct Red 28   ND     147   Direct Black 38   ND	137	Sulfurous acid, lead salt, dibasic $ riangle$	ND
139   Cadmium   ND     140   Cadmium oxide △   ND     141   Dipentyl phthalate (DPP)   ND     142   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]   ND     143   Ammonium pentadecafluorooctanoate (APFO)   ND     144   Pentadecafluorooctanoic acid (PFOA)   ND     145   Cadmium sulphide △   ND     146   Direct Red 28   ND     147   Direct Black 38   ND	138	Lead cyanamidate $ riangle$	ND
140   Cadmium oxide △   ND     141   Dipentyl phthalate (DPP)   ND     142   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]   ND     143   Ammonium pentadecafluorooctanoate (APFO)   ND     144   Pentadecafluorooctanoic acid (PFOA)   ND     145   Cadmium sulphide △   ND     146   Direct Red 28   ND     147   Direct Black 38   ND	139	Cadmium	ND
141Dipentyl phthalate (DPP)ND1424-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]ND143Ammonium pentadecafluorooctanoate (APFO)ND144Pentadecafluorooctanoic acid (PFOA)ND145Cadmium sulphide △ND146Direct Red 28ND147Direct Black 38ND	140	Cadmium oxide $ riangle$	ND
1424-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]ND143Ammonium pentadecafluorooctanoate (APFO)ND144Pentadecafluorooctanoic acid (PFOA)ND145Cadmium sulphide △ND146Direct Red 28ND147Direct Black 38ND	141	Dipentyl phthalate (DPP)	ND
143Ammonium pentadecafluorooctanoate (APFO)ND144Pentadecafluorooctanoic acid (PFOA)ND145Cadmium sulphide △ND146Direct Red 28ND147Direct Black 38ND	142	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]	ND
144Pentadecafluorooctanoic acid (PFOA)ND145Cadmium sulphide △ND146Direct Red 28ND147Direct Black 38ND	143	Ammonium pentadecafluorooctanoate (APFO)	ND
145Cadmium sulphide △ND146Direct Red 28ND147Direct Black 38ND	144	Pentadecafluorooctanoic acid (PFOA)	ND
146Direct Red 28ND147Direct Black 38ND	145	Cadmium sulphide $\triangle$	ND
147Direct Black 38ND	146	Direct Red 28	ND
	147	Direct Black 38	ND

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148 [	Dihexyl phthalate	ND
149 I	midazolidine-2-thione (2-imidazoline-2-thiol)	ND
150 l	Lead di(acetate) $ riangle$	ND
151 -	Trixylyl phosphate	ND
152 (	Cadmium chloride $ riangle$	ND
153 g	Sodium peroxometaborate $ riangle$	ND
154 g	Sodium perborate; perboric acid, sodium salt $ riangle$	ND
155 <sup>-</sup>	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	ND
156 r 8 6	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-	
0 8 1	oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4- stannatetradecanoate (reaction mass of DOTE and MOTE)	
157 (	Cadmium sulphate $\triangle$	ND
158 (	Cadmium fluoride $ riangle$	ND
159 2	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia- 4-stannatetradecanoate (DOTE)	ND
160 2	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	ND
161 2	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	ND
162 5 i	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]	ND
163 t	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)	ND
164 ·	1,3-propanesultone	ND
165 2 r	2,4-di-tert-butyl-6-(5-chlo robenzotriazol-2-yl)phenol (UV-327)	ND
166 2	2-(2H-benzotriazol-2-yl)-4- (tert-butyl)-6-(sec-butyl)phenol (UV-350)	ND
167 r	Nitrobenzene	ND
168 F	Perfluorononan-1-oic-acid	ND

Remark:

1. % = percentage

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- 2. Method Detection Limit (MDL) :0.050% for whole product, 0.010% for component/material testing
- 3. ND = not detected
- 4. △indicates determination was based on elemental analysis. The content was calculated based on assumption of worst-case.

#### Note:

- If the imported or manufactured volume of each individual SVHC in article is more than 0.1% (w/w) and if it exceeds 1 tonne per year across all product ranges, then importer or manufacturer require notification to the European Chemical Agency (ECHA). For substances included in the Candidate List on or after 1 December 2010, the notifications have to be submitted no later than 6 months after the inclusion.
- As per article 33(1) of regulation (EC) No. 1907/2006 (REACH), recipients of product must be provided with information of safe use if any of the tested substances (SVHC) exceeded 0.1% (w/w). A product meets the requirement of article 33(1) by default when no SVHC exceeds 0.1% (w/w).



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#### Tested sample photo:



--- End of Report ---