



# TEST REPORT

REPORT No.: R2JS150429F0150E

Date: July 6, 2015

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Shanghai SIMCom Wireless Solutions Ltd  
SIM Technology Building, No.633, Jinzhong Road, Changning District, Shanghai, P.R. China

Report on the submitted samples said to be:

Sample Name : GPS/GNSS Module  
Style/ Item No. : SIM68V/SIM28  
Sample Receiving Date : April 30, 2015  
Testing Period : From April 30, 2015 to July 6, 2015  
Results : Please refer to next page(s).

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**Summary of Test Results:**

**TEST REQUEST**

**Summary**

One hundred and sixty one (161) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before December 17, 2014 regarding Regulation (EC) No 1907/2006 concerning the REACH **See Remark**

**Remark :** According to the specified scope and analytical technique, concentrations of all 161 SVHC are <0.1% in the submitted sample(s)

\*\*\*\*\*  
Signed for and on behalf of

BACL

Checked by: \_\_\_\_\_  
Jane Xu  
Technical Supervisor

Approved by: \_\_\_\_\_  
William Wei  
Laboratory Manager

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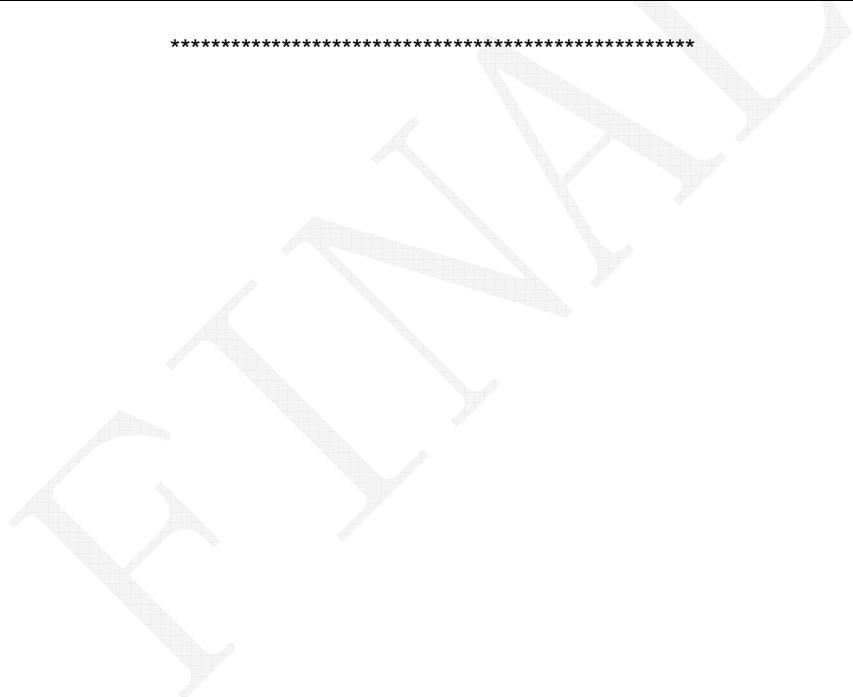
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**Results:**

Tested part(s): The tested parts of submitted sample are as following:

Item	No.	Test Part(s)
(1) Metal	1	Silvery metal(shield, PCB)
(2) # PCB mixed	1	Green PCB with EC(SIM68V)
	2	Green PCB with EC(SIM28)
(3) Nonmetal	1	Yellow plastic with white/black/red printing(label)

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**A. One hundred and sixty one (161) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before December 17, 2014 regarding Regulation (EC) No 1907/2006 concerning the REACH**

Test method: With reference to in- house method, Analysis is performed by ICP-AES ,UV-VIS, IC,GC-MS, Headspace GC-MS, LC-MS/MS, HPLC-TS-MS.

No.	Item	CAS No.	EC No.	Unit	MDL	Results		Category
						(1)	(2) <sup>#</sup>	
1	Anthracene(ANT)	120-12-7	204-371-1	%	0.001	N.D.	N.D.	PBT
2	4,4'-Diaminodiphenylmethane (MDA)	101-77-9	202-974-4	%	0.001	N.D.	N.D.	CMR
3	Dibutyl Phthalate(DBP)	84-74-2	201-557-4	%	0.003	N.D.	N.D.	CMR
4	Cobalt Dichloride(CoCl <sub>2</sub> )*	7646-79-9	231-589-4	%	0.010	N.D.	N.D.	CMR
5	Diarsenic Pentaoxide(As <sub>2</sub> O <sub>5</sub> )*	1303-28-2	215-116-9	%	0.002	N.D.	N.D.	CMR
6	Diarsenic Trioxide(As <sub>2</sub> O <sub>3</sub> )*	1327-53-3	215-481-4	%	0.002	N.D.	N.D.	CMR
7	Sodium Dichromate, Dihydrate*	7789-12-0, 10588-01-9	234-190-3	%	0.004	N.D.	N.D.	CMR
8	5-tert-butyl-2,4,6-trinitro-m-xylene(musk xylene)	81-15-2	201-329-4	%	0.003	N.D.	N.D.	vPvB
9	Bis-(2-ethyl(hexyl) Phthalate (DEHP)	117-81-7	204-211-0	%	0.003	N.D.	N.D.	CMR
10	Hexabromocyclododecane (HBCDD)	25637-99-4 & 3194-55-6 (134237-51-7,1 34237-50-6,13 4237-52-8)	247-148-4, 221-695-9	%	0.005	N.D.	N.D.	PBT
11	Alkanes, C10-13, chloro(Short Chain Chlorinated Paraffins) (SCCP)	85535-84-8	287-476-5	%	0.010	N.D.	N.D.	PBT
12	Bis(tributyltin)oxide(TBTO)**	56-35-9	200-268-0	%	0.003	N.D.	N.D.	PBT
13	Lead Hydrogen Arsenate*	7784-40-9	232-064-2	%	0.005	N.D.	N.D.	CMR
14	Benzyl Butyl Phthalate(BBP)	85-68-7	201-622-7	%	0.003	N.D.	N.D.	CMR
15	Triethyl Arsenate*	15606-95-8	427-700-2	%	0.003	N.D.	N.D.	CMR

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No.	Item	CAS No.	EC No.	Unit	MDL	Results		Category
						(1)	(2) <sup>#</sup>	
16	Anthracene oil***	90640-80-5	292-602-7	%	0.005	N.D.	N.D.	PBT
17	Anthracene oil , anthracene paste, distn . Lights***	91995-17-4	295-278-5	%	0.005	N.D.	N.D.	PBT
18	Anthracene oil, anthracene paste, anthracene fraction***	91995-15-2	295-275-9	%	0.005	N.D.	N.D.	PBT
19	Anthracene oil, anthracene-low***	90640-82-7	292-604-8	%	0.005	N.D.	N.D.	PBT
20	Anthracene oil, anthracene paste***	90640-81-6	292-603-2	%	0.003	N.D.	N.D.	PBT
21	Diisobutyl phthalate	84-69-5	201-553-2	%	0.003	N.D.	N.D.	CMR
22	2,4-Dinitrotoluene	121-14-2	204-450-0	%	0.003	N.D.	N.D.	CMR
23	coal tar pitch, high temperature***	65996-93-2	266-028-2	%	0.005	N.D.	N.D.	PBT
24	tris(2-chloroethyl)phosphate	115-96-8	204-118-5	%	0.005	N.D.	N.D.	CMR
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	%	0.005	N.D.	N.D.	CMR
26	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8	235-759-9	%	0.005	N.D.	N.D.	CMR
27	Lead chromate: chrome yellow	7758-97-6	231-846-0	%	0.005	N.D.	N.D.	CMR
28	Acrylamide	79-06-1	201-173-7	%	0.001	N.D.	N.D.	CMR

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No.	Item	CAS No.	EC No.	Unit	MDL	Results		Category
						(1)	(2) <sup>#</sup>	
29	Trichloroethylene	79-01-6	201-167-4	%	0.003	N.D.	N.D.	CMR
30	Boric acid	10043-35-3; 11113-50-1	233-139-2; 234-343-4	%	0.005	N.D.	N.D.	CMR
31	Disodium tetraborate, anhydrous*	1330-43-4; 12179-04-3; 1303-96-4	215-540-4	%	0.005	N.D.	N.D.	CMR
32	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	235-541-3	%	0.005	N.D.	N.D.	CMR
33	Sodium chromate*	7775-11-3	231-889-5	%	0.005	N.D.	N.D.	CMR
34	Potassium chromate*	7789-00-6	232-140-5	%	0.005	N.D.	N.D.	CMR
35	Ammonium dichromate*	7789-09-5	232-143-1	%	0.005	N.D.	N.D.	CMR
36	Potassium dichromate *	7778-50-9	231-906-6	%	0.005	N.D.	N.D.	CMR

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No.	Item	CAS No.	EC No.	Unit	MDL	Results		Category
						(1)	(2) <sup>#</sup>	
37	Cobalt(II) sulfate*	10124-43-3	233-334-2	%	0.005	N.D.	N.D.	CMR
38	Cobalt(II) dinitrate*	10141-05-6	233-402-1	%	0.005	N.D.	N.D.	CMR
39	Cobalt(II) carbonate*	513-79-1	208-169-4	%	0.005	N.D.	N.D.	CMR
40	Cobalt(II) diacetate*	71-48-7	200-755-8	%	0.005	N.D.	N.D.	CMR
41	2-Methoxyethanol	109-86-4	203-713-7	%	0.005	N.D.	N.D.	CMR
42	2-Ethoxyethanol	110-80-5	203-804-1	%	0.005	N.D.	N.D.	CMR
43	Chromium trioxide*	1333-82-0	215-607-8	%	0.005	N.D.	N.D.	CMR
44	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.	N.D.	CMR

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No.	Item	CAS No.	EC No.	Unit	MDL	Results		Category
						(1)	(2) <sup>#</sup>	
45	2-ethoxyethylacetate	111-15-9	203-839-2	%	0.005	N.D.	N.D.	CMR
46	strontium chromate*	7789-06-2	232-142-6	%	0.005	N.D.	N.D.	CMR
47	1,2-Benzenedicarboxylic acid, di-C7-11 branched and linear alkyl esters (DHNUP)	68515-42-4	271-084-6	%	0.005	N.D.	N.D.	CMR
48	Hydrazine	7803-57-8 302-01-2	206-114-9	%	0.005	N.D.	N.D.	CMR
49	1-Methyl-2-pyrrolidinone	872-50-4	212-828-1	%	0.005	N.D.	N.D.	CMR
50	1,2,3-trichloropropane	96-18-4	202-486-1	%	0.005	N.D.	N.D.	CMR
51	1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP).	71888-89-6	276-158-1	%	0.005	N.D.	N.D.	CMR

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No.	Item	CAS No.	EC No.	Unit	MDL	Results		Category
						(1)	(2) <sup>#</sup>	
52	Zirconia Aluminosilicate Refractory Ceramic Fibres****	/	/	%	0.005	N.D.	N.D.	CMR
53	Calcium arsenate*	7778-44-1	231-904-5	%	0.005	N.D.	N.D.	CMR
54	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	%	0.005	N.D.	N.D.	CMR
55	Aluminosilicate Refractory Ceramic Fibres****	/	/	%	0.005	N.D.	N.D.	CMR
56	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	234-329-8	%	0.005	N.D.	N.D.	CMR
57	Lead dipicrate,	6477-64-1	229-335-2	%	0.005	N.D.	N.D.	CMR
58	N,N-dimethylacetamide	127-19-5	204-826-4	%	0.005	N.D.	N.D.	CMR
59	Arsenic acid	7778-39-4	231-901-9	%	0.005	N.D.	N.D.	CMR
60	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	%	0.005	N.D.	N.D.	CMR
61	Trilead diarsenate*	3687-31-8	222-979-5	%	0.005	N.D.	N.D.	CMR
62	1,2-dichloroethane	107-06-2	203-458-1	%	0.005	N.D.	N.D.	CMR
63	Pentazinc chromate octahydroxide	49663-84-5	256-418-0	%	0.005	N.D.	N.D.	CMR
64	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	205-426-2	%	0.005	N.D.	N.D.	Equivalent level of concern having probable serious effects to the environment
65	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	500-036-1	%	0.005	N.D.	N.D.	CMR
66	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	%	0.005	N.D.	N.D.	CMR
67	Lead diazide, Lead azide*	13424-46-9	236-542-1	%	0.005	N.D.	N.D.	CMR
68	Lead styphnate*	15245-44-0	239-290-0	%	0.005	N.D.	N.D.	CMR
69	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	202-918-9	%	0.005	N.D.	N.D.	CMR
70	Phenolphthalein	77-09-8	201-004-7	%	0.005	N.D.	N.D.	CMR
71	Dichromium tris(chromate)*	24613-89-6	246-356-2	%	0.005	N.D.	N.D.	CMR

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						(1)	(2) <sup>#</sup>	
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	%	0.005	N.D.	N.D.	CMR
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	%	0.005	N.D.	N.D.	CMR
74	Diboron trioxide*	1303-86-2	215-125-8	%	0.005	N.D.	N.D.	CMR
75	Formamide	75-12-7	200-842-0	%	0.005	N.D.	N.D.	CMR
76	Lead(II) bis(methanesulfonate)*	17570-76-2	401-750-5	%	0.005	N.D.	N.D.	CMR
77	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	2451-62-9	219-514-3	%	0.005	N.D.	N.D.	CMR
78	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	423-400-0	%	0.005	N.D.	N.D.	CMR
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5	%	0.005	N.D.	N.D.	CMR
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	%	0.005	N.D.	N.D.	CMR
81	[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	%	0.005	N.D.	N.D.	CMR
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	%	0.005	N.D.	N.D.	CMR
83	α,α-Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol(C.I. Solvent Blue 4)*****	6786-83-0	229-851-8	%	0.005	N.D.	N.D.	CMR
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol*****	561-41-1	209-218-2	%	0.005	N.D.	N.D.	CMR

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						(1)	(2) <sup>#</sup>	
85	Bis(pentabromophenyl) ether	1163-19-5	214-604-9	%	0.005	N.D.	N.D.	PBT
86	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	%	0.005	N.D.	N.D.	vPvB
87	Tricosafuorododecanoic acid	307-55-1	206-203-2	%	0.005	N.D.	N.D.	vPvB
88	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	%	0.005	N.D.	N.D.	vPvB
89	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	%	0.005	N.D.	N.D.	vPvB
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	/	/	%	0.005	N.D.	N.D.	Equivalent level of concern having probable serious effects to the environment
91	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	/	/	%	0.005	N.D.	N.D.	Equivalent level of concern having probable serious effects to the environment
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	%	0.005	N.D.	N.D.	Equivalent level of concern having probable serious effects to the environment

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						(1)	(2) <sup>#</sup>	
93	Cyclohexane-1,2-dicarboxylic anhydride [1] cis-cyclohexane-1,2-dicarboxylic anhydride [2] trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	%	0.005	N.D.	N.D.	Equivalent level of concern having probable serious effects to the environment
94	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	247-094-1, 243-072-0, 256-356-4, 260-566-1	%	0.005	N.D.	N.D.	Equivalent level of concern having probable serious effects to the environment
95	Methoxy acetic acid	625-45-6	210-894-6	%	0.005	N.D.	N.D.	CMR
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	%	0.005	N.D.	N.D.	CMR
97	Diisopentylphthalate (DIPP)	605-50-5	210-088-4	%	0.005	N.D.	N.D.	CMR
98	N-pentyl-isopentylphthalate	776297-69-9	/	%	0.005	N.D.	N.D.	CMR
99	1,2-Diethoxyethane	629-14-1	211-076-1	%	0.005	N.D.	N.D.	CMR
100	N,N-dimethylformamide; dimethyl formamide,N,N	68-12-2	200-679-5	%	0.005	N.D.	N.D.	CMR
101	Dibutyltin dichloride (DBT)	683-18-1	211-670-0	%	0.005	N.D.	N.D.	CMR
102	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	%	0.005	N.D.	N.D.	CMR
103	Basic lead carbonate (trilead bis(carbonate)dihydroxide)*	1319-46-6	215-290-6	%	0.005	N.D.	N.D.	CMR
104	Lead oxide sulfate (basic lead sulfate)*	12036-76-9	234-853-7	%	0.005	N.D.	N.D.	CMR
105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)*	69011-06-9	273-688-5	%	0.005	N.D.	N.D.	CMR

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No.	Item	CAS No.	EC No.	Unit	MDL	Results		Category
						(1)	(2) <sup>#</sup>	
106	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	%	0.005	N.D.	N.D.	CMR
107	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	%	0.005	N.D.	N.D.	CMR
108	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	%	0.005	N.D.	N.D.	CMR
109	Lead cyanamate*	20837-86-9	244-073-9	%	0.005	N.D.	N.D.	CMR
110	Lead dinitrate*	10099-74-8	233-245-9	%	0.005	N.D.	N.D.	CMR
111	Lead oxide (lead monoxide)*	1317-36-8	215-267-0	%	0.005	N.D.	N.D.	CMR
112	Lead tetroxide (orange lead)*	1314-41-6	215-235-6	%	0.005	N.D.	N.D.	CMR
113	Lead titanium trioxide*	12060-00-3	235-038-9	%	0.005	N.D.	N.D.	CMR
114	Lead Titanium Zirconium Oxide*	12626-81-2	235-727-4	%	0.005	N.D.	N.D.	CMR
115	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	%	0.005	N.D.	N.D.	CMR
116	Pyrochlore, antimony lead yellow C.I.*	8012-00-8	232-382-1	%	0.005	N.D.	N.D.	CMR
117	Silicic acid (H <sub>2</sub> SiO <sub>5</sub> ), barium salt (1:1), lead-doped, [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]*	68784-75-8	272-271-5	%	0.005	N.D.	N.D.	CMR
118	Silicic acid, lead salt*	11120-22-2	234-363-3	%	0.005	N.D.	N.D.	CMR
119	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	%	0.005	N.D.	N.D.	CMR
120	Tetraethyllead*	78-00-2	201-075-4	%	0.005	N.D.	N.D.	CMR
121	Tetralead trioxide sulphate*	12202-17-4	235-380-9	%	0.005	N.D.	N.D.	CMR
122	Trilead dioxide phosphonate*	12141-20-7	235-252-2	%	0.005	N.D.	N.D.	CMR

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No.	Item	CAS No.	EC No.	Unit	MDL	Results		Category
						(1)	(2) <sup>#</sup>	
123	Furan	110-00-9	203-727-3	%	0.005	N.D.	N.D.	CMR
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	200-879-2	%	0.005	N.D.	N.D.	CMR
125	Diethyl sulphate	64-67-5	200-589-6	%	0.005	N.D.	N.D.	CMR
126	Dimethyl sulphate	77-78-1	201-058-1	%	0.005	N.D.	N.D.	CMR
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	%	0.005	N.D.	N.D.	CMR
128	Dinoseb	88-85-7	201-861-7	%	0.005	N.D.	N.D.	CMR
129	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	%	0.005	N.D.	N.D.	CMR
130	4,4'-oxydianiline and its salts	101-80-4	202-977-0	%	0.005	N.D.	N.D.	CMR
131	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	200-453-6	%	0.005	N.D.	N.D.	CMR
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	202-453-1	%	0.005	N.D.	N.D.	CMR
133	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	%	0.005	N.D.	N.D.	CMR
134	Biphenyl-4-ylamine	92-67-1	202-177-1	%	0.005	N.D.	N.D.	CMR
135	o-aminoazotoluene	97-56-3	202-591-2	%	0.005	N.D.	N.D.	CMR
136	o-Toluidine; 2-Aminotoluene	95-53-4	202-429-0	%	0.005	N.D.	N.D.	CMR
137	N-methylacetamide	79-16-3	201-182-6	%	0.005	N.D.	N.D.	CMR
138	1-bromopropane; n-propyl bromide	106-94-5	203-445-0	%	0.005	N.D.	N.D.	CMR

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No.	Items	CAS No.	EC No.	Unit	MDL	Results		Category
						(1)	(2) <sup>#</sup>	
139	Cadmium	7440-43-9	231-152-8	%	0.001	N.D.	N.D.	CMR
140	Cadmium oxide *	1306-19-0	215-146-2	%	0.005	N.D.	N.D.	CMR
141	Ammonium pentadecafluorooctanoate(APFO)	3825-26-1	223-320-4	%	0.005	N.D.	N.D.	PBT
142	Pentadecafluorooctanoic acid(PFOA)	335-67-1	206-397-9	%	0.005	N.D.	N.D.	PBT
143	Dipentyl phthalate(DPP)	131-18-0	205-017-9	%	0.005	N.D.	N.D.	PBT
144	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]	-	-	%	0.005	N.D.	N.D.	Equivalent level of concern having probable serious effects to the environment

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No.	Items	CAS No.	EC No.	Unit	MDL	Results		Category
						(1)	(2) <sup>#</sup>	
145	Cadmium sulphide*	1306-23-6	215-147-8	%	0.005	N.D.	N.D.	Equivalent level of concern having probable serious effects to the environment
146	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	1937-37-7	217-710-3	%	0.005	N.D.	N.D.	CMR
147	Dihexyl phthalate	84-75-3	201-559-5	%	0.005	N.D.	N.D.	PBT
148	Imidazolidine-2-thione(2-imidazolone-2-thiol)	96-45-7	202-506-9	%	0.005	N.D.	N.D.	PBT
149	Trixylyl phosphate	25155-23-1	246-677-8	%	0.005	N.D.	N.D.	PBT
150	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)	573-58-0	209-358-4	%	0.005	N.D.	N.D.	CMR
151	Lead di(acetate)*	301-04-2	206-104-4	%	0.005	N.D.	N.D.	PBT

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No.	Items	CAS No.	EC No.	Unit	MDL	Results		Category
						(1)	(2) <sup>#</sup>	
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	%	0.005	N.D.	N.D.	PBT
153	Sodium perborate; perboric acid, sodium salt*	---	239-172-9; 234-390-0	%	0.005	N.D.	N.D.	PBT
154	Sodium peroxometaborate*	7632-04-4	231-556-4	%	0.005	N.D.	N.D.	PBT
155	Cadmium chloride*	10108-64-2	233-296-7	%	0.005	N.D.	N.D.	CMR Equivalent level of concern having probable serious effects to the environment

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No.	Items	CAS No.	EC No.	Unit	MDL	Results		Category
						(1)	(2) <sup>#</sup>	
156	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	%	0.005	N.D.	N.D.	PBT; vPvB
157	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4	%	0.005	N.D.	N.D.	CMR
158	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)	---	---	%	0.005	N.D.	N.D.	CMR
159	2-(2H-benzotriazol-2-yl)-4,6-ditert-pentylphenol (UV-328)	25973-55-1	247-384-8	%	0.005	N.D.	N.D.	PBT; vPvB
160	Cadmium fluoride*	7790-79-6	232-222-0	%	0.005	N.D.	N.D.	CMR Equivalent level of concern having probable serious effects to the environment
161	Cadmium sulphate*	10124-36-4 31119-53-6	233-331-6	%	0.005	N.D.	N.D.	CMR Equivalent level of concern having probable serious effects to the environment

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No.	Item	CAS No.	EC No.	Unit	MDL	Results	Category
						(3)	
1	Anthracene(ANT)	120-12-7	204-371-1	%	0.001	N.D.	PBT
2	4,4'-Diaminodiphenylmethane (MDA)	101-77-9	202-974-4	%	0.001	N.D.	CMR
3	Dibutyl Phthalate(DBP)	84-74-2	201-557-4	%	0.003	N.D.	CMR
4	Cobalt Dichloride(CoCl <sub>2</sub> )*	7646-79-9	231-589-4	%	0.010	N.D.	CMR
5	Diarsenic Pentaoxide(As <sub>2</sub> O <sub>5</sub> )*	1303-28-2	215-116-9	%	0.002	N.D.	CMR
6	Diarsenic Trioxide(As <sub>2</sub> O <sub>3</sub> )*	1327-53-3	215-481-4	%	0.002	N.D.	CMR
7	Sodium Dichromate, Dihydrate*	7789-12-0, 10588-01-9	234-190-3	%	0.004	N.D.	CMR
8	5-tert-butyl-2,4,6-trinitro-m-xylene(musk xylene)	81-15-2	201-329-4	%	0.003	N.D.	vPvB
9	Bis-(2-ethyl(hexyl) Phthalate (DEHP)	117-81-7	204-211-0	%	0.003	N.D.	CMR
10	Hexabromocyclododecane (HBCDD)	25637-99-4 & 3194-55-6 (134237-51-7,1 34237-50-6,13 4237-52-8)	247-148-4, 221-695-9	%	0.005	N.D.	PBT
11	Alkanes, C10-13, chloro(Short Chain Chlorinated Paraffins) (SCCP)	85535-84-8	287-476-5	%	0.010	N.D.	PBT
12	Bis(tributyltin)oxide(TBTO)**	56-35-9	200-268-0	%	0.003	N.D.	PBT
13	Lead Hydrogen Arsenate*	7784-40-9	232-064-2	%	0.005	N.D.	CMR
14	Benzyl Butyl Phthalate(BBP)	85-68-7	201-622-7	%	0.003	N.D.	CMR
15	Triethyl Arsenate*	15606-95-8	427-700-2	%	0.003	N.D.	CMR

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No.	Item	CAS No.	EC No.	Unit	MDL	Results	Category
						(3)	
16	Anthracene oil***	90640-80-5	292-602-7	%	0.005	N.D.	PBT
17	Anthracene oil , anthracene paste, distn . Lights***	91995-17-4	295-278-5	%	0.005	N.D.	PBT
18	Anthracene oil, anthracene paste, anthracene fraction***	91995-15-2	295-275-9	%	0.005	N.D.	PBT
19	Anthracene oil, anthracene-low***	90640-82-7	292-604-8	%	0.005	N.D.	PBT
20	Anthracene oil, anthracene paste***	90640-81-6	292-603-2	%	0.003	N.D.	PBT
21	Diisobutyl phthalate	84-69-5	201-553-2	%	0.003	N.D.	CMR
22	2,4-Dinitrotoluene	121-14-2	204-450-0	%	0.003	N.D.	CMR
23	coal tar pitch, high temperature***	65996-93-2	266-028-2	%	0.005	N.D.	PBT
24	tris(2-chloroethyl)phosphate	115-96-8	204-118-5	%	0.005	N.D.	CMR
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	%	0.005	N.D.	CMR
26	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8	235-759-9	%	0.005	N.D.	CMR
27	Lead chromate: chrome yellow	7758-97-6	231-846-0	%	0.005	N.D.	CMR
28	Acrylamide	79-06-1	201-173-7	%	0.001	N.D.	CMR

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No.	Item	CAS No.	EC No.	Unit	MDL	Results	Category
						(3)	
29	Trichloroethylene	79-01-6	201-167-4	%	0.003	N.D.	CMR
30	Boric acid	10043-35-3; 11113-50-1	233-139-2; 234-343-4	%	0.005	N.D.	CMR
31	Disodium tetraborate, anhydrous*	1330-43-4; 12179-04-3; 1303-96-4	215-540-4	%	0.005	N.D.	CMR
32	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	235-541-3	%	0.005	N.D.	CMR
33	Sodium chromate*	7775-11-3	231-889-5	%	0.005	N.D.	CMR
34	Potassium chromate*	7789-00-6	232-140-5	%	0.005	N.D.	CMR
35	Ammonium dichromate*	7789-09-5	232-143-1	%	0.005	N.D.	CMR
36	Potassium dichromate *	7778-50-9	231-906-6	%	0.005	N.D.	CMR

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No.	Item	CAS No.	EC No.	Unit	MDL	Results	Category
						(3)	
37	Cobalt(II) sulfate*	10124-43-3	233-334-2	%	0.005	N.D.	CMR
38	Cobalt(II) dinitrate*	10141-05-6	233-402-1	%	0.005	N.D.	CMR
39	Cobalt(II) carbonate*	513-79-1	208-169-4	%	0.005	N.D.	CMR
40	Cobalt(II) diacetate*	71-48-7	200-755-8	%	0.005	N.D.	CMR
41	2-Methoxyethanol	109-86-4	203-713-7	%	0.005	N.D.	CMR
42	2-Ethoxyethanol	110-80-5	203-804-1	%	0.005	N.D.	CMR
43	Chromium trioxide*	1333-82-0	215-607-8	%	0.005	N.D.	CMR
44	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.	CMR

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No.	Item	CAS No.	EC No.	Unit	MDL	Results	Category
						(3)	
45	2-ethoxyethylacetate	111-15-9	203-839-2	%	0.005	N.D.	CMR
46	strontium chromate*	7789-06-2	232-142-6	%	0.005	N.D.	CMR
47	1,2-Benzenedicarboxylic acid, di-C7-11 branched and linear alkyl esters (DHNUP)	68515-42-4	271-084-6	%	0.005	N.D.	CMR
48	Hydrazine	7803-57-8 302-01-2	206-114-9	%	0.005	N.D.	CMR
49	1-Methyl-2-pyrrolidinone	872-50-4	212-828-1	%	0.005	N.D.	CMR
50	1,2,3-trichloropropane	96-18-4	202-486-1	%	0.005	N.D.	CMR
51	1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP).	71888-89-6	276-158-1	%	0.005	N.D.	CMR

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No.	Item	CAS No.	EC No.	Unit	MDL	Results	Category
						(3)	
52	Zirconia Aluminosilicate Refractory Ceramic Fibres****	/	/	%	0.005	N.D.	CMR
53	Calcium arsenate*	7778-44-1	231-904-5	%	0.005	N.D.	CMR
54	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	%	0.005	N.D.	CMR
55	Aluminosilicate Refractory Ceramic Fibres****	/	/	%	0.005	N.D.	CMR
56	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	234-329-8	%	0.005	N.D.	CMR
57	Lead dipicrate,	6477-64-1	229-335-2	%	0.005	N.D.	CMR
58	N,N-dimethylacetamide	127-19-5	204-826-4	%	0.005	N.D.	CMR
59	Arsenic acid	7778-39-4	231-901-9	%	0.005	N.D.	CMR
60	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	%	0.005	N.D.	CMR
61	Trilead diarsenate*	3687-31-8	222-979-5	%	0.005	N.D.	CMR
62	1,2-dichloroethane	107-06-2	203-458-1	%	0.005	N.D.	CMR
63	Pentazinc chromate octahydroxide	49663-84-5	256-418-0	%	0.005	N.D.	CMR
64	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	205-426-2	%	0.005	N.D.	Equivalent level of concern having probable serious effects to the environment
65	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	500-036-1	%	0.005	N.D.	CMR
66	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	%	0.005	N.D.	CMR
67	Lead diazide, Lead azide*	13424-46-9	236-542-1	%	0.005	N.D.	CMR
68	Lead styphnate*	15245-44-0	239-290-0	%	0.005	N.D.	CMR
69	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	202-918-9	%	0.005	N.D.	CMR
70	Phenolphthalein	77-09-8	201-004-7	%	0.005	N.D.	CMR
71	Dichromium tris(chromate)*	24613-89-6	246-356-2	%	0.005	N.D.	CMR

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No.	Item	CAS No.	EC No.	Unit	MDL	Results	Category
						(3)	
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	%	0.005	N.D.	CMR
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	%	0.005	N.D.	CMR
74	Diboron trioxide*	1303-86-2	215-125-8	%	0.005	N.D.	CMR
75	Formamide	75-12-7	200-842-0	%	0.005	N.D.	CMR
76	Lead(II) bis(methanesulfonate)*	17570-76-2	401-750-5	%	0.005	N.D.	CMR
77	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	2451-62-9	219-514-3	%	0.005	N.D.	CMR
78	$\beta$ -TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	423-400-0	%	0.005	N.D.	CMR
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5	%	0.005	N.D.	CMR
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	%	0.005	N.D.	CMR
81	[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	%	0.005	N.D.	CMR
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	%	0.005	N.D.	CMR
83	$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol(C.I. Solvent Blue 4)*****	6786-83-0	229-851-8	%	0.005	N.D.	CMR
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol*****	561-41-1	209-218-2	%	0.005	N.D.	CMR

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No.	Item	CAS No.	EC No.	Unit	MDL	Results	Category
						(3)	
85	Bis(pentabromophenyl) ether	1163-19-5	214-604-9	%	0.005	N.D.	PBT
86	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	%	0.005	N.D.	vPvB
87	Tricosafuorododecanoic acid	307-55-1	206-203-2	%	0.005	N.D.	vPvB
88	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	%	0.005	N.D.	vPvB
89	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	%	0.005	N.D.	vPvB
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	/	/	%	0.005	N.D.	Equivalent level of concern having probable serious effects to the environment
91	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	/	/	%	0.005	N.D.	Equivalent level of concern having probable serious effects to the environment
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	%	0.005	N.D.	Equivalent level of concern having probable serious effects to the environment

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No.	Item	CAS No.	EC No.	Unit	MDL	Results	Category
						(3)	
93	Cyclohexane-1,2-dicarboxylic anhydride [1] cis-cyclohexane-1,2-dicarboxylic anhydride [2] trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	%	0.005	N.D.	Equivalent level of concern having probable serious effects to the environment
94	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	247-094-1, 243-072-0, 256-356-4, 260-566-1	%	0.005	N.D.	Equivalent level of concern having probable serious effects to the environment
95	Methoxy acetic acid	625-45-6	210-894-6	%	0.005	N.D.	CMR
96	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	%	0.005	N.D.	CMR
97	Diisopentylphthalate (DIPP)	605-50-5	210-088-4	%	0.005	N.D.	CMR
98	N-pentyl-isopentylphthalate	776297-69-9	/	%	0.005	N.D.	CMR
99	1,2-Diethoxyethane	629-14-1	211-076-1	%	0.005	N.D.	CMR
100	N,N-dimethylformamide; dimethyl formamideN,N	68-12-2	200-679-5	%	0.005	N.D.	CMR
101	Dibutyltin dichloride (DBT)	683-18-1	211-670-0	%	0.005	N.D.	CMR
102	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	%	0.005	N.D.	CMR
103	Basic lead carbonate (trilead bis(carbonate)dihydroxide)*	1319-46-6	215-290-6	%	0.005	N.D.	CMR
104	Lead oxide sulfate (basic lead sulfate)*	12036-76-9	234-853-7	%	0.005	N.D.	CMR
105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)*	69011-06-9	273-688-5	%	0.005	N.D.	CMR

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No.	Item	CAS No.	EC No.	Unit	MDL	Results	Category
						(3)	
106	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	%	0.005	N.D.	CMR
107	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	%	0.005	N.D.	CMR
108	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	%	0.005	N.D.	CMR
109	Lead cyanamidate*	20837-86-9	244-073-9	%	0.005	N.D.	CMR
110	Lead dinitrate*	10099-74-8	233-245-9	%	0.005	N.D.	CMR
111	Lead oxide (lead monoxide)*	1317-36-8	215-267-0	%	0.005	N.D.	CMR
112	Lead tetroxide (orange lead)*	1314-41-6	215-235-6	%	0.005	N.D.	CMR
113	Lead titanium trioxide*	12060-00-3	235-038-9	%	0.005	N.D.	CMR
114	Lead Titanium Zirconium Oxide*	12626-81-2	235-727-4	%	0.005	N.D.	CMR
115	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	%	0.005	N.D.	CMR
116	Pyrochlore, antimony lead yellow C.I.*	8012-00-8	232-382-1	%	0.005	N.D.	CMR
117	Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped, [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]*	68784-75-8	272-271-5	%	0.005	N.D.	CMR
118	Silicic acid, lead salt*	11120-22-2	234-363-3	%	0.005	N.D.	CMR
119	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	%	0.005	N.D.	CMR
120	Tetraethyllead*	78-00-2	201-075-4	%	0.005	N.D.	CMR
121	Tetralead trioxide sulphate*	12202-17-4	235-380-9	%	0.005	N.D.	CMR
122	Trilead dioxide phosphonate*	12141-20-7	235-252-2	%	0.005	N.D.	CMR

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No.	Item	CAS No.	EC No.	Unit	MDL	Results	Category
						(3)	
123	Furan	110-00-9	203-727-3	%	0.005	N.D.	CMR
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	200-879-2	%	0.005	N.D.	CMR
125	Diethyl sulphate	64-67-5	200-589-6	%	0.005	N.D.	CMR
126	Dimethyl sulphate	77-78-1	201-058-1	%	0.005	N.D.	CMR
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	%	0.005	N.D.	CMR
128	Dinoseb	88-85-7	201-861-7	%	0.005	N.D.	CMR
129	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	%	0.005	N.D.	CMR
130	4,4'-oxydianiline and its salts	101-80-4	202-977-0	%	0.005	N.D.	CMR
131	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-3	200-453-6	%	0.005	N.D.	CMR
132	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	202-453-1	%	0.005	N.D.	CMR
133	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	%	0.005	N.D.	CMR
134	Biphenyl-4-ylamine	92-67-1	202-177-1	%	0.005	N.D.	CMR
135	o-aminoazotoluene	97-56-3	202-591-2	%	0.005	N.D.	CMR
136	o-Toluidine; 2-Aminotoluene	95-53-4	202-429-0	%	0.005	N.D.	CMR
137	N-methylacetamide	79-16-3	201-182-6	%	0.005	N.D.	CMR
138	1-bromopropane; n-propyl bromide	106-94-5	203-445-0	%	0.005	N.D.	CMR

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No.	Items	CAS No.	EC No.	Unit	MDL	Results	Category
						(3)	
139	Cadmium	7440-43-9	231-152-8	%	0.001	N.D.	CMR
140	Cadmium oxide *	1306-19-0	215-146-2	%	0.005	N.D.	CMR
141	Ammonium pentadecafluorooctanoate(APFO)	3825-26-1	223-320-4	%	0.005	N.D.	PBT
142	Pentadecafluorooctanoic acid(PFOA)	335-67-1	206-397-9	%	0.005	N.D.	PBT
143	Dipentyl phthalate(DPP)	131-18-0	205-017-9	%	0.005	N.D.	PBT
144	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]	-	-	%	0.005	N.D.	Equivalent level of concern having probable serious effects to the environment

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No.	Items	CAS No.	EC No.	Unit	MDL	Results	Category
						(3)	
145	Cadmium sulphide*	1306-23-6	215-147-8	%	0.005	N.D.	Equivalent level of concern having probable serious effects to the environment
146	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	1937-37-7	217-710-3	%	0.005	N.D.	CMR
147	Dihexyl phthalate	84-75-3	201-559-5	%	0.005	N.D.	PBT
148	Imidazolidine-2-thione(2-imidazolone-2-thiol)	96-45-7	202-506-9	%	0.005	N.D.	PBT
149	Trixylyl phosphate	25155-23-1	246-677-8	%	0.005	N.D.	PBT
150	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)	573-58-0	209-358-4	%	0.005	N.D.	CMR
151	Lead di(acetate)*	301-04-2	206-104-4	%	0.005	N.D.	PBT

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No.	Items	CAS No.	EC No.	Unit	MDL	Results	Category
						(3)	
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	%	0.005	N.D.	PBT
153	Sodium perborate; perboric acid, sodium salt*	---	239-172-9; 234-390-0	%	0.005	N.D.	PBT
154	Sodium peroxometaborate*	7632-04-4	231-556-4	%	0.005	N.D.	PBT
155	Cadmium chloride*	10108-64-2	233-296-7	%	0.005	N.D.	CMR Equivalent level of concern having probable serious effects to the environment

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No.	Items	CAS No.	EC No.	Unit	MDL	Results	Category
						(3)	
156	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	%	0.005	N.D.	PBT; vPvB
157	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4	%	0.005	N.D.	CMR
158	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)	---	---	%	0.005	N.D.	CMR
159	2-(2H-benzotriazol-2-yl)-4,6-ditert-pentylphenol (UV-328)	25973-55-1	247-384-8	%	0.005	N.D.	PBT; vPvB
160	Cadmium fluoride*	7790-79-6	232-222-0	%	0.005	N.D.	CMR Equivalent level of concern having probable serious effects to the environment
161	Cadmium sulphate*	10124-36-4 31119-53-6	233-331-6	%	0.005	N.D.	CMR Equivalent level of concern having probable serious effects to the environment

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Note:

- N.D. = Not Detected or less than MDL
- MDL = Method Detection Limit
- mg/kg = ppm
- The test result of Specimen (3) is copied from the test report No. R2BJ150624F0308E, dated June 27, 2015
- Carcinogenic, Mutagenic or toxic to Reproduction (CMR), meeting the criteria for classification in category 1 or 2 in accordance with Directive 67/548/EEC, Persistent, Bioaccumulative and Toxic (PBT) or very Persistent and very Bioaccumulative (vPvB) according to the criteria in Annex of XIII of the REACH Regulation, and/or Identified, on a case-by-case basis, from scientific evidence as causing probable serious effects to human health or the environment of an equivalent level of concern as those above (e.g. endocrine disrupters)
- \* = Calculated concentration of the items are based on the identified heavy metal result. Identity of above metal substances present in the article has to be further confirmed.
- \*\* = Calculated concentration of bis(tributyltin)oxide TBTO is based on the identified tributyltin, TBT results. The result is a screening test of TBTO and can cover TBTO and other salts under current technologies. Further investigation is required if the exact amount of TBTO has to be determined.
- \*\*\* = Calculated concentration of these coal-tar products is based on the identified polycyclic aromatic hydrocarbons (PAHs) and. heterocyclic compounds
- \*\*\*\* = Calculated concentration of these Aluminosilicate , Zirconia Aluminosilicate , Zirconia Aluminosilicate Refractory Ceramic Fibres, Aluminosilicate Refractory Ceramic Fibres is based on the identified aluminum and zirconium results by ICP-AES
- \*\*\*\*\* = 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).
- The chemical analysis of 161 SVHC is performed by means of currently available analytical techniques against the list published by ECHA on October 28, 2008 & January 13,2010& March 30,2010&June 18,2010& December 15,2010&June 20, 2011 &December 19,2011&June 18, 2012& June 20, 2013&December 16,2013&June 16, 2014&December 17, 2014 all refer to [http://echa.europa.eu/chem\\_data/authorisation\\_process/candidate\\_list\\_table\\_en.asp](http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp)  
This list is under evaluation by ECHA and may subject to change in the future.
- If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.
- # = Mixed, The admixture of specimen is tested as a whole(part) which according to the applicant's request, the result of report as average value because of the whole specimen is regarded as constituting from the homogeneous material. If according to the provision, the testing of specimen may have the obvious difference, and the result may exceed the number in this report. The applicant will undertake all differences and risk.
- Photo appendix is included.

\*\*\*\*\*

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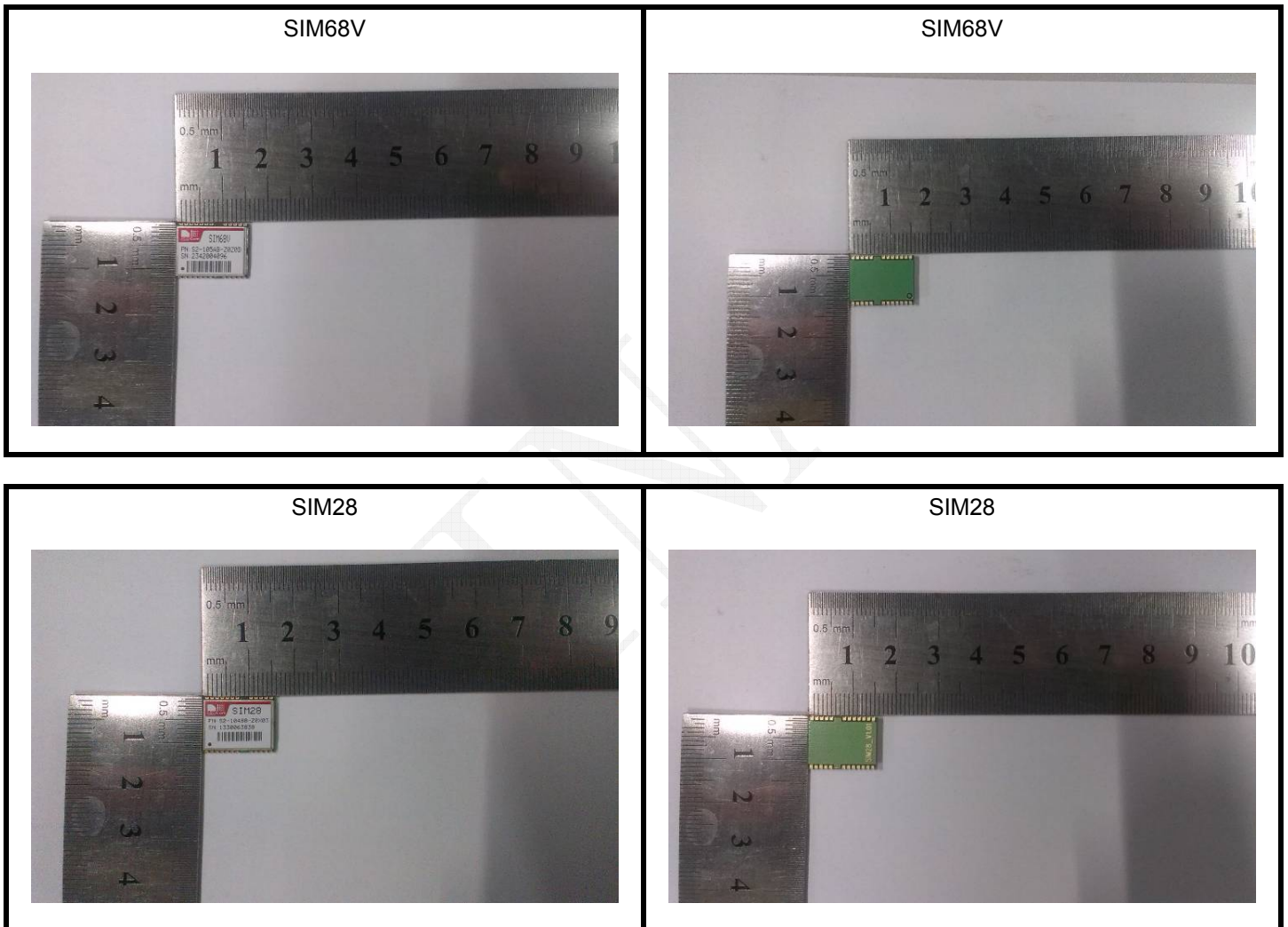
# TEST REPORT

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## Photograph of Sample



BACL authenticate the photo on original report only

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

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