



Certificate of RoHS Compliance

Based on the information available to us from our suppliers, and to the best of Alliance's knowledge, we hereby certify that the materials listed below are RoHS compliant and meet the requirements of EU RoHS Directive 2011/65/EU, and do not contain the substances listed in the tables below in concentrations exceeding the Maximum Concentration Value (MCV).



Certificate of REACH Compliance

Based on the information available to us from our suppliers, and to the best of Alliance's knowledge, we hereby certify that the materials listed below are REACH compliant and meet the requirements of REACH ECHA 20/06/2013, and do not contain the Substances Of Very High Concern (SVHC) listed in the tables below per ECHA regulations of (EC) No.1907/2006



Page 2: Sintered SmCo RoHS 

Page 6: Sintered SmCo REACH 

Alliance LLC

DISCLAIMER This declaration and other information provided in connection with compliance with the REACH directive is provided "as is", "as available" and "with all faults". Alliance LLC disclaims all express or implied conditions, representations and warranties of any kind, including any implied warranty or condition of merchantability, satisfactory quality, fitness for a particular purpose, or infringement.



Pony Testing International Group

Test Report

No.: H05101035504D

Date: 2013.05.22

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

Sample Name: Sintering SmCo Magnet

Supplier Name: Alliance LLC

Sample Received Date: 2013.05.10

Testing Period: 2013.05.10 To 2013.05.22

Reference Requested: RoHS Directive 2011/65/EU Annex II

Reference Method: IEC62321 Edition 1.0:2008 method: Regulated Substances Content of test process with Electrical & Electronic Products

- (1) Lead Analysis is performed by AAS
- (2) Cadmium Analysis is performed by AAS
- (3) Mercury Analysis is performed by ICP-OES
- (4) Hexavalent Chromium Analysis is performed By Spot-test/Boiling-water-extraction Method
- (5) PBBs and PBDEs Analysis is performed by GC-MS

Testing Results: Please refer to next page(s)

Approved by: *Wang Jun*

Code: f916j439



www.ponytest.com	Hotline: 400-819-5688		
Address: No. 1000, Zhongyuan Road, Beijing, China	Beijing: 100000, China	Head Office: Zhongyuan Road, Beijing, China	Head Office: Zhongyuan Road, Beijing, China
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Test Results (Unit: mg/kg)

Test Item	MDL	Test Result	RoHS Limit
Lead (Pb)	1	N.D.	1000
Cadmium (Cd)	1	N.D.	100
Mercury (Hg)	1	N.D.	1000
Hexavalent Chromium (Cr ⁶⁺)	See Note (6)	Negative	—
PBBs	—	—	1000
Bromobiphenyl	5	N.D.	—
Dibromobiphenyl	5	N.D.	—
Tribromobiphenyl	5	N.D.	—
Tetrabromobiphenyl	5	N.D.	—
Pentabromobiphenyl	5	N.D.	—
Hexabromobiphenyl	5	N.D.	—
Heptabromobiphenyl	5	N.D.	—
Octabromobiphenyl	5	N.D.	—
Nonabromobiphenyl	5	N.D.	—
Decabromobiphenyl	5	N.D.	—
PBDEs	—	—	1000
Bromodiphenyl ether	5	N.D.	—
Dibromodiphenyl ether	5	N.D.	—
Tribromodiphenyl ether	5	N.D.	—
Tetrabromodiphenyl ether	5	N.D.	—
Pentabromodiphenyl ether	5	N.D.	—
Hexabromodiphenyl ether	5	N.D.	—
Heptabromodiphenyl ether	5	N.D.	—
Octabromodiphenyl ether	5	N.D.	—
Nonabromodiphenyl ether	5	N.D.	—
Decabromodiphenyl ether	5	N.D.	—



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Add: Yuzhong Building 2, Caohe Road Tel: 00862159251111	Building 2, No. 419 Xuhai Road Tel: 00862159251111	Building 1, No. 888 Huaihai Road Tel: 00862159251111	



Pony Testing International Group

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- Note:
- (1) mg/kg = ppm
 - (2) "-" = Does not stipulate
 - (3) N.D. = Not Detected (<MDL)
 - (4) MDL = Method Detection Limit
 - (5) The most allowable limit value reference to RoHS Directive 2011/65/EU Annex II
 - (6) Spot-test:

Negative = Not Detected of CrVI, Positive = Presence of CrVI;

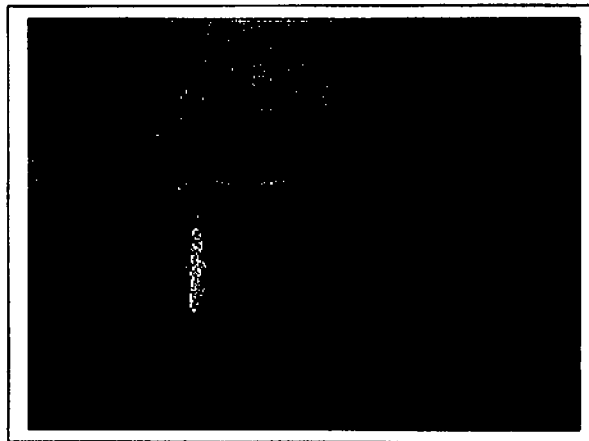
(The tested sample should be further verified by boiling-water-extraction method if the spot test result cannot be confirmed or negative)

Boiling-water-extraction:

Negative = Not Detected of CrVI; Positive = Presence of CrVI;

the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50cm² sample surface area used.

Photo:



Pony authenticate the photo on original report only

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Pony Testing International Group

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Date: 2013.05.22

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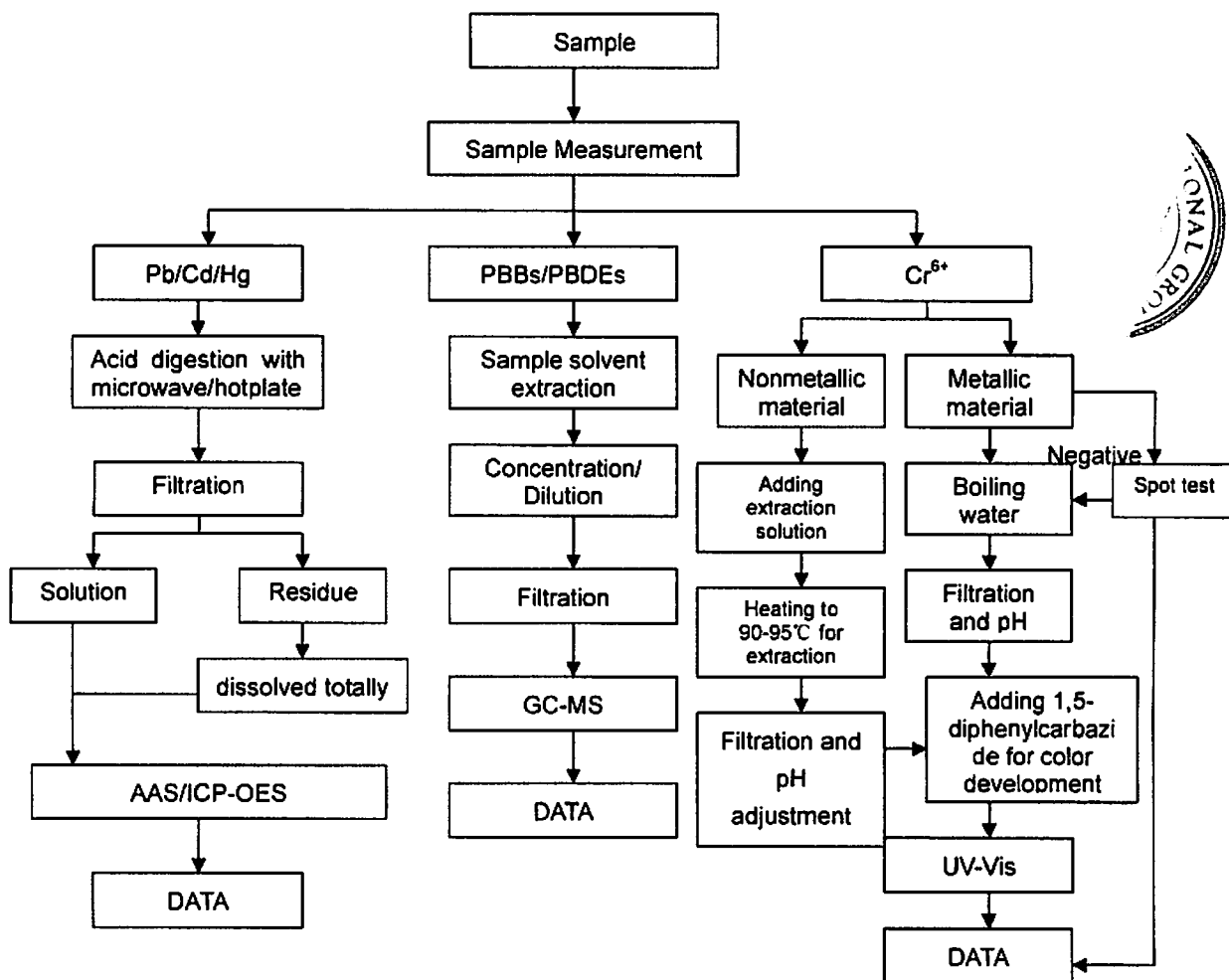
Measurement Flow-chart

Tested by: Wang Zhongming

Checked by: Guo Hongwei

Person in charge of the lab: Wang Xin

These Samples Were Dissolved Totally By Pre-conditioning Method According To Below Flow Chart. (Cr⁶⁺ Test Method Excluded)



End of Report



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Hotline 400-819-5688

Add: Yingzhi Building No.49-3 Suzhou Road, Huaibei District, Hebei

Tel: 0310-2618111

Building 35, No.680 Guoping Road, Xuhui District, Shanghai

Tel: 021-64851929

Building 6, Zhongyuan Industrial City, Chongqing Road, Nanshan District, Shenzhen

Tel: 0755-26450800

Building 1, No.191 Zhongyuan Road, Luoshan District, Qingdao

Tel: 0532-6816206

Add: Yingzhong Building, Hongqi Road, Nankai District, Tianjin

Tel: 022-27360750

Phase 2 Building, No.150 Xinhua Road, Gaoxin District, Nanjing City

Tel: 025-249736499

Building 3, No.189 Jia Zhai Technology Park, Dazhi Road, Hui District, Guangzhou

Tel: 020-89224310

Test Report

Report No. RHS06F001642003

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Material: Sintered Samarium Cobalt

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

Sample Name SmCo
Material Sm, Co
Sample Received Date Aug. 12, 2013
Testing Period Aug. 12, 2013 to Aug. 21, 2013

Test Requested As specified by client, to screen the 144 substances of very high concern(SVHC) under Regulation(EC) No 1907/2006 of REACH in the submitted sample(s).

Test Method Please refer to the following page(s).

Test Result(s) Please refer to the following page(s).

Summary According to the analytical results, concentrations of 144 SVHC substances are all less than 0.1%(w/w) in the submitted sample(s).

Tested by

Sha Chen

Reviewed by

Lin Zhang

Approved by

Wei Miao

Date

Aug. 21, 2013

Wei Miao

Approved Signatory

No. 1382080198

Test Report

Report No. RHS06F001642003

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Test Result(s)

No.	Substance Name(s)	CAS No.	EC No.	Concentration (%)	Report Limit
1	Anthracene	120-12-7	204-371-1	N.D.	0.005%
2	4,4'- Diaminodiphenylmethane	101-77-9	202-974-4	N.D.	0.005%
3	Dibutyl phthalate(DBP)	84-74-2	201-557-4	N.D.	0.005%
4	Cobalt dichloride*	7646-79-9	231-589-4	N.D.	0.01%
5	Diarsenic pentaoxide*	1303-28-2	215-116-9	N.D.	0.01%
6	Diarsenic trioxide*	1327-53-3	215-481-4	N.D.	0.01%
7	Sodium dichromate*	7789-12-0/ 10588-01-9	234-190-3	N.D.	0.01%
8	Musk xylene	81-15-2	201-329-4	N.D.	0.005%
9	Bis(2-ethyl(hexyl)phthalate)(DEHP)	117-81-7	204-211-0	N.D.	0.005%
10	Hexabromocyclododecane (HBCDD)	25637-99-4/ 3194-55-6	247-148-4/ 221-695-9	N.D.	0.005%
11	Short Chain Chlorinated Paraffins(SCCPs)	85535-84-8	287-476-5	N.D.	0.01%
12	Bis(tributyltin)oxide (TBTO)*	56-35-9	200-268-0	N.D.	0.005%
13	Lead hydrogen arsenate*	7784-40-9	232-064-2	N.D.	0.01%
14	Benzyl butyl phthalate(BBP)	85-68-7	201-622-7	N.D.	0.005%
15	Triethyl arsenate*	15606-95-8	427-700-2	N.D.	0.01%
16	^① Anthracene oil	90640-80-5	292-602-7	N.D.	0.05%
17	^① Anthracene oil, anthracene paste, distn. Lights ****	91995-17-4	295-278-5	N.D.	0.05%
18	^① Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	N.D.	0.05%
19	^① Anthracene oil, anthracene-low	90640-82-7	292-604-8	N.D.	0.05%
20	^① Anthracene oil, anthracene paste	90640-81-6	292-603-2	N.D.	0.05%
21	^① Coal tar pitch, high temperature	65996-93-2	266-028-2	N.D.	0.05%
22	Acrylamide	79-06-1	201-173-7	N.D.	0.01%
23	2,4-Dinitrotoluene	121-14-2	204-450-0	N.D.	0.01%
24	Diisobutyl phthalate (DIBP)	84-69-5	201-553-2	N.D.	0.005%
25	^② Lead chromate	7758-97-6	231-846-0	N.D.	0.05%
26	^② Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	12656-85-8	235-759-9	N.D.	0.05%
27	^② Lead sulfochromate yellow (C.I. Pigment Yellow 34)***	1344-37-2	215-693-7	N.D.	0.05%
28	Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	204-118-5	N.D.	0.01%

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Test Result(s)

No.	Substance Name(s)	CAS No.	EC No.	Concentration (%)	Report Limit
29	Trichloroethylene	79-01-6	201-167-4	N.D.	0.005%
30	^③ Boric acid	10043-35-3 11113-50-1	233-139-2 234-343-4	N.D.	0.01%
31	^③ Disodium tetraborate, anhydrous*****	1330-43-4 12179-04-3 1303-96-4	215-540-4	N.D.	0.01%
32	^③ Tetraboron disodium heptaoxide, hydrate*****	12267-73-1	235-541-3	N.D.	0.01%
33	Sodium chromate*	7775-11-3	231-889-5	N.D.	0.01%
34	Potassium chromate*	7789-00-6	232-140-5	N.D.	0.01%
35	Ammonium dichromate*	7789-09-5	232-143-1	N.D.	0.01%
36	Potassium dichromate*	7778-50-9	231-906-6	N.D.	0.01%
37	Cobalt(II) sulphate*	10124-43-3	233-334-2	N.D. [△]	0.01%
38	Cobalt(II) dinitrate*	10141-05-6	233-402-1	N.D. [△]	0.01%
39	Cobalt(II) carbonate*	513-79-1	208-169-4	N.D. [△]	0.01%
40	Cobalt(II) diacetate*	71-48-7	200-755-8	N.D. [△]	0.01%
41	2-Methoxyethanol	109-86-4	203-713-7	N.D.	0.005%
42	2-Ethoxyethanol	110-80-5	203-804-1	N.D.	0.005%
43	Chromium trioxide*	1333-82-0	215-607-8	N.D.	0.01%
44	Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid*	7738-94-5 13530-68-2	231-801-5 236-881-5	N.D.	0.01%
45	2-ethoxyethyl acetate	111-15-9	203-839-2	N.D.	0.01%
46	Strontium chromate*	7789-06-2	232-142-6	N.D.	0.01%
47	^① 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6	N.D.	0.01%
48	Hydrazine	7803-57-8 302-01-2	206-114-9	N.D.	0.01%
49	1-methyl-2-pyrrolidone	872-50-4	212-828-1	N.D.	0.01%
50	1,2,3-trichloropropane	96-18-4	202-486-1	N.D.	0.01%
51	^① 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	276-158-1	N.D.	0.01%

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Test Result(s)

No.	Substance Name(s)	CAS No.	EC No.	Concentration (%)	Report Limit
52	Dichromium tris(chromate)*	24613-89-6	246-356-2	N.D.	0.01%
53	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	234-329-8	N.D.	0.01%
54	Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	N.D.	0.01%
55	^② Aluminosilicate Refractory Ceramic Fibres (RCF) **	-	-	N.D.	0.05%
56	^② Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) **	-	-	N.D.	0.05%
57	^① Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	N.D.	0.01%
58	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	N.D.	0.005%
59	2-Methoxyaniline (o-Anisidine)	90-04-0	201-963-1	N.D.	0.005%
60	4-(1,1,3,3-tetramethylbutyl)phenol (4-tert-Octylphenol)	140-66-9	205-426-2	N.D.	0.005%
61	1,2-Dichloroethane	107-06-2	203-458-1	N.D.	0.005%
62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	N.D.	0.005%
63	Arsenic acid*	7778-39-4	231-901-9	N.D.	0.01%
64	Calcium arsenate*	7778-44-1	231-904-5	N.D.	0.01%
65	Trilead diarsenate*	3687-31-8	222-979-5	N.D.	0.01%
66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	N.D.	0.005%
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	N.D.	0.005%
68	Phenolphthalein	77-9-8	201-004-7	N.D.	0.005%
69	Lead diazide*	13424-46-9	236-542-1	N.D.	0.01%
70	Lead 2,4,6-trinitro-m-phenylene dioxide (Lead styphnate)*	15245-44-0	239-290-0	N.D.	0.01%
71	Lead dipicrate*	6477-64-1	229-335-2	N.D.	0.01%

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Test Result(s)

No.	Substance Name(s)	CAS No.	EC No.	Concentration (%)	Report Limit
72	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	203-977-3	N.D.	0.01%
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	N.D.	0.01%
74	[®] Diboron trioxide	1303-86-2	215-125-8	N.D.	0.01%
75	Formamide	75-12-7	200-842-0	N.D.	0.01%
76	Lead(II) bis methanesulfonate*	17570-76-2	401-750-5	N.D.	0.01%
77	TGIC(1,3,5-tris(oxiranylmethyl)-1, 3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	219-514-3	N.D.	0.01%
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	N.D.	0.01%
79	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	202-027-5	N.D.	0.01%
80	N,N,N',N'-tetramethyl-4,4'-methylene dianiline (Michler's base)	101-61-1	202-959-2	N.D.	0.01%
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	N.D.	0.01%
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	N.D.	0.01%
83	α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1- methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	N.D.	0.01%
84	4,4'-bis(dimethylamino)-4''- (methylamino)trityl alcohol	561-41-1	209-218-2	N.D.	0.01%

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Test Result(s)

No.	Substance Name(s)	CAS No.	EC No.	Concentration (%)	Report Limit
85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9	N.D.	0.05%
86	4-Nonylphenol, branched and linear <i>[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]</i>	-	-	N.D.	0.05%
87	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	N.D.	0.05%
88	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated <i>[covering well-defined substances and UVCB substances, polymers and homologues]</i>	-	-	N.D.	0.05%
89	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	N.D.	0.05%
90	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	N.D.	0.05%
91	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7, 13149-00-3, 14166-21-3	201-604-9, 236-086-3, 238-009-9	N.D.	0.05%
92	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	N.D.	0.05%
93	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	N.D.	0.05%
94	Diisopentylphthalate(DIPP)	605-50-5	210-088-4	N.D.	0.05%

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Test Result(s)

No.	Substance Name(s)	CAS No.	EC No.	Concentration (%)	Report Limit
95	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	N.D.	0.05%
96	N-pentyl-isopentylphthalate	776297-69-9	-	N.D.	0.05%
97	Methoxyacetic acid	625-45-6	210-894-6	N.D.	0.05%
98	Tricosafuorododecanoic acid	307-55-1	206-203-2	N.D.	0.05%
99	1,2-Diethoxyethane	629-14-1	211-076-1	N.D.	0.05%
100	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	N.D.	0.05%
101	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1	N.D.	0.05%
102	N-methylacetamide	79-16-3	201-182-6	N.D.	0.05%
103	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	N.D.	0.01%
104	Biphenyl-4-ylamine	92-67-1	202-177-1	N.D.	0.05%
105	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	N.D.	0.05%
106	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	N.D.	0.01%
107	Lead dinitrate*	10099-74-8	233-245-9	N.D.	0.01%
108	Tetralead trioxide sulphate*	12202-17-4	235-380-9	N.D.	0.01%
109	Lead monoxide (lead oxide)*	1317-36-8	215-267-0	N.D.	0.01%
110	Lead titanium trioxide*	12060-00-3	235-038-9	N.D.	0.01%
111	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	N.D.	0.05%
112	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	N.D.	0.01%
113	Dimethyl sulphate	77-78-1	201-058-1	N.D.	0.05%
114	Furan	110-00-9	203-727-3	N.D.	0.05%
115	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	N.D.	0.01%
116	Tetraethyllead*	78-00-2	201-075-4	N.D.	0.01%
117	[Phthalato(2-)]dioxotrilead*	69011-06-9	273-688-5	N.D.	0.01%
118	Diethyl sulphate	64-67-5	200-589-6	N.D.	0.05%
119	Lead cyanamidate*	20837-86-9	244-073-9	N.D.	0.01%
120	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped*	68784-75-8	272-271-5	N.D.	0.01%
121	Trilead dioxide phosphonate*	12141-20-7	235-252-2	N.D.	0.01%
122	o-Toluidine	95-53-4	202-429-0	N.D.	0.05%

Test Report

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Test Result(s)

No.	Substance Name(s)	CAS No.	EC No.	Concentration (%)	Report Limit
123	<i>o</i> -aminoazotoluene	97-56-3	202-591-2	N.D.	0.05%
124	4-aminoazobenzene	60-09-3	200-453-6	N.D.	0.05%
125	6-methoxy- <i>m</i> -toluidine (<i>p</i> -cresidine)	120-71-8	204-419-1	N.D.	0.05%
126	Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	N.D.	0.05%
127	Lead titanium zirconium oxide*	12626-81-2	235-727-4	N.D.	0.01%
128	Methyloxirane (Propylene oxide)	75-56-9	200-879-2	N.D.	0.05%
129	1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	N.D.	0.05%
130	Trilead bis(carbonate)dihydroxide*	1319-46-6	215-290-6	N.D.	0.01%
131	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	N.D.	0.01%
132	Orange lead (lead tetroxide)*	1314-41-6	215-235-6	N.D.	0.01%
133	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	N.D.	0.01%
134	4,4'-oxydianiline and its salts	101-80-4	202-977-0	N.D.	0.05%
135	Lead oxide sulfate*	12036-76-9	234-853-7	N.D.	0.01%
136	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	N.D.	0.01%
137	Silicic acid, lead salt*	11120-22-2	234-363-3	N.D.	0.01%
138	N,N-dimethylformamide	68-12-2	200-679-5	N.D.	0.05%
139	Cadmium	7440-43-9	231-152-8	N.D.	0.01%
140	Cadmium oxide*	1306-19-0	215-146-2	N.D.	0.01%
141	Dipentyl phthalate (DPP)	131-18-0	205-017-9	N.D.	0.01%
142	4-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</i>]	-	-	N.D.	0.05%
143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	N.D.	0.01%
144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	N.D.	0.01%

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Test Method:

Refer to US EPA3052:1996, US EPA 3050B:1996, US EPA3060A:1996, US EPA 3550C:2007, US EPA 3540C:1996, ISO 17353:2004(E), BS EN 14582:2007.

for sample pretreatment.

Analyzed by ICP-OES, SEM-EDS, UV-Vis, IC, GC-MS, Headspace-GCMS and HPLC.

Tested Sample/Part Description Silvery grey solid

Note:

1. w/w = weight by weight; 0.1% = 1000 mg/kg = 1000 ppm
2. N.D. = Not Detected (<report limit)
3. *: Concentration value of the substance by the conversion from the test results of certain elements. Concentration value of Bis(tributyltin)oxide by the conversion from the test results of Tributyl Tins.
4. **: 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).
5. ***: C.I.: Colour Index
6. ****: Light fractions from distillation
7. *****: Concentration value of Disodium tetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodium tetraborate, with no consider of the hydrate.
8. ^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.
9. ^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.
10. ^③: Concentration value of Boric acid; Disodium tetraborate, anhydrous; Tetraboron disodium heptaoxide, hydrate; Diboron trioxide are calculated by the conversion from the test results of certain elements and confirmed by appropriate solvent extraction, meanwhile the book of materials is suggested to be checked for further confirmation.
11. [△]: As the test showed, there is cobalt element in the sample. According to the client's statement Cobalt is added to the sample.

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Appendix:

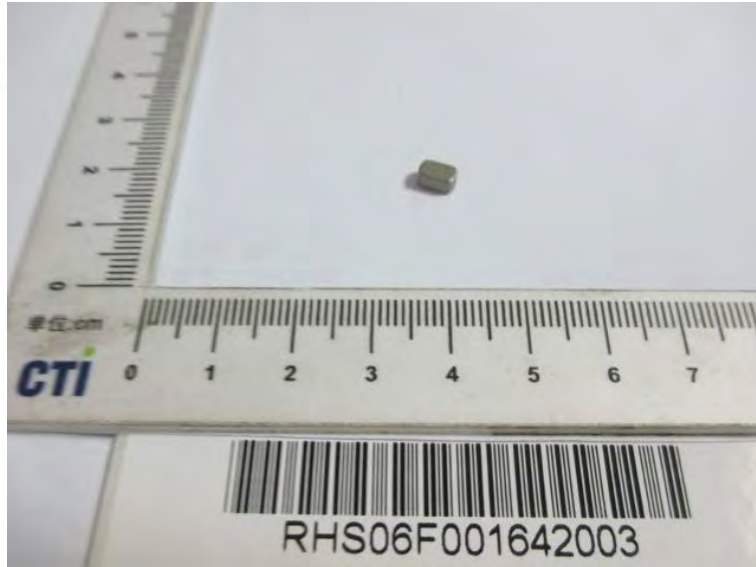
1. Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of European Union regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).
 - 1) Any supplier shall provide the recipient of the article with sufficient information to allow safe use of the article including, as a minimum, the name of that substance.
 - 2) On request by a consumer any supplier shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance within 45 days of receipt of the request, free of charge.
2. The supplier of a substance that is included in the Candidate List on their own shall provide the recipient of the substance with a safety data sheet for free compiled in accordance with Article 3 and Annex II of REACH.
3. The supplier of a mixture that containing a substance that is included in the Candidate List shall exchange information in accordance with Article 31, Article 32, and Annex II of REACH.
 - 1) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation meets the criteria for classification as dangerous in accordance with Directives 1999/45/EC.
 - 2) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation does not meet the criteria for classification as dangerous in accordance with Directive 1999/45/EC, but contains any substance that is included in the Candidate List in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures or ≥ 0.2 % by volume for gaseous mixtures.

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Photo(s) of the sample(s)



*** End of Report ***

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