



Certificate of RoHS Compliance




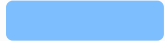
Based on the information available to us from our suppliers, and to the best of Alliance's knowledge, we hereby certify that the materials listed below are RoHS compliant and meet the requirements of EU RoHS Directive 2011/65/EU, and do not contain the substances listed in the tables below in concentrations 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 NdFeB No Coating	
Page 8: Sintered NdFeB Passivated	
Page 14: Sintered NdFeB w/ Ni-Cu-Ni	
Page 20: Sintered NdFeB w/ Zn Plated	

Alliance LLC

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Test Report

Report No. RLSHF001369680001

Page 1 of 6

Material: Uncoated Sintered NeFeB

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

Sample Name No Coating NdFeB
Sample Received Date Feb.16,2013
Testing Period Feb.16,2013 to Feb.20,2013

Test Requested As specified by client, to screen the 57 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 57 SVHC substances are all less than 0.1%(w/w) in the submitted sample(s).

Tested by Verna chen.

Reviewed by Wey Zhong

Approved by Joy Su

Date Feb.20,2013



Joy Su
Senior Laboratory Manager

No. 83402474

Centre Testing International (Shenzhen) Co., Ltd. Shanghai Branch No.1996,New Jinqiao Road, Pudong District,Shanghai

Test Report

Report No. RLSHF001369680001

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Test Result(s)

No.	Substance Name(s)	CAS No.	EC No.	Concentration (%)	Report Limit
1	Cobalt dichloride*	7646-79-9	231-589-4	N.D.	0.01%
2	Diarsenic pentaoxide*	1303-28-2	215-116-9	N.D.	0.01%
3	Diarsenic trioxide*	1327-53-3	215-481-4	N.D.	0.01%
4	Sodium dichromate*	7789-12-0/ 10588-01-9	234-190-3	N.D.	0.01%
5	Lead hydrogen arsenate*	7784-40-9	232-064-2	N.D.	0.01%
6	Triethyl arsenate*	15606-95-8	427-700-2	N.D.	0.01%
7	² Lead chromate	7758-97-6	231-846-0	N.D.	0.05%
8	² Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	12656-85-8	235-759-9	N.D.	0.05%
9	² Lead sulphochromate yellow (C.I. Pigment Yellow 34)***	1344-37-2	215-693-7	N.D.	0.05%
10	³ Boric acid	10043-35-3 11113-50-1	233-139-2 234-343-4	N.D.	0.01%
11	³ Disodium tetraborate, anhydrous*****	1330-43-4 12179-04-3 1303-96-4	215-540-4	N.D.	0.01%
12	³ Tetraboron disodium heptaoxide, hydrate*****	12267-73-1	235-541-3	N.D.	0.01%
13	Sodium chromate*	7775-11-3	231-889-5	N.D.	0.01%
14	Potassium chromate*	7789-00-6	232-140-5	N.D.	0.01%
15	Ammonium dichromate*	7789-09-5	232-143-1	N.D.	0.01%
16	Potassium dichromate*	7778-50-9	231-906-6	N.D.	0.01%
17	Cobalt(II) sulphate*	10124-43-3	233-334-2	N.D.	0.01%
18	Cobalt(II) dinitrate*	10141-05-6	233-402-1	N.D.	0.01%
19	Cobalt(II) carbonate*	513-79-1	208-169-4	N.D.	0.01%
20	Cobalt(II) diacetate*	71-48-7	200-755-8	N.D.	0.01%
21	Chromium trioxide*	1333-82-0	215-607-8	N.D.	0.01%
22	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%
23	Strontium chromate*	7789-06-2	232-142-6	N.D.	0.01%
24	Dichromium tris(chromate)*	24613-89-6	246-356-2	N.D.	0.01%
25	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	234-329-8	N.D.	0.01%

Test Report

Report No. RLSHF001369680001

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Test Result(s)

No.	Substance Name(s)	CAS No.	EC No.	Concentration (%)	Report Limit
26	Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	N.D.	0.01%
27	^② Aluminosilicate Refractory Ceramic Fibres (RCF) **	-	-	N.D.	0.05%
28	^② Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) **	-	-	N.D.	0.05%
29	Arsenic acid*	7778-39-4	231-901-9	N.D.	0.01%
30	Calcium arsenate*	7778-44-1	231-904-5	N.D.	0.01%
31	Trilead diarsenate*	3687-31-8	222-979-5	N.D.	0.01%
32	Lead diazide*	13424-46-9	236-542-1	N.D.	0.01%
33	Lead 2,4,6-trinitro-m-phenylene dioxide (Lead styphnate)*	15245-44-0	239-290-0	N.D.	0.01%
34	Lead dipicrate*	6477-64-1	229-335-2	N.D.	0.01%
35	^③ Diboron trioxide	1303-86-2	215-125-8	N.D.	0.01%
36	Lead(II) bis methanesulfonate*	17570-76-2	401-750-5	N.D.	0.01%
37	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	N.D.	0.01%
38	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	N.D.	0.01%
39	Lead dinitrate*	10099-74-8	233-245-9	N.D.	0.01%
40	Tetralead trioxide sulphate*	12202-17-4	235-380-9	N.D.	0.01%
41	Lead monoxide (lead oxide)*	1317-36-8	215-267-0	N.D.	0.01%
42	Lead titanium trioxide*	12060-00-3	235-038-9	N.D.	0.01%
43	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	N.D.	0.01%
44	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	N.D.	0.01%
45	Tetraethyllead*	78-00-2	201-075-4	N.D.	0.01%
46	[Phthalato(2-)]dioxotrilead*	69011-06-9	273-688-5	N.D.	0.01%
47	Lead cyanamidate*	20837-86-9	244-073-9	N.D.	0.01%
48	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped*	68784-75-8	272-271-5	N.D.	0.01%
49	Trilead dioxide phosphonate*	12141-20-7	235-252-2	N.D.	0.01%
50	Lead titanium zirconium oxide*	12626-81-2	235-727-4	N.D.	0.01%
51	Trilead bis(carbonate)dihydroxide*	1319-46-6	215-290-6	N.D.	0.01%
52	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	N.D.	0.01%
53	Orange lead (lead tetroxide)*	1314-41-6	215-235-6	N.D.	0.01%
54	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	N.D.	0.01%
55	Lead oxide sulfate*	12036-76-9	234-853-7	N.D.	0.01%
56	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	N.D.	0.01%
57	Silicic acid, lead salt*	11120-22-2	234-363-3	N.D.	0.01%

Test Report

Report No. RLSHF001369680001

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Test Method:

Refer to US EPA3052:1996, US EPA 3050B:1996, US EPA 3060A:1996, BS EN 14582:2007 for sample pretreatment.

Analyzed by ICP-OES, SEM-EDS, UV-Vis and IC.

Tested Sample/Part Description Grey metal

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.
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. ****: Concentration value of Disodium tetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodium tetraborate, with no consider of the hydrate.
7. ^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.
8. ^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.

Test Report

Report No. RLSHF001369680001

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Appendix:

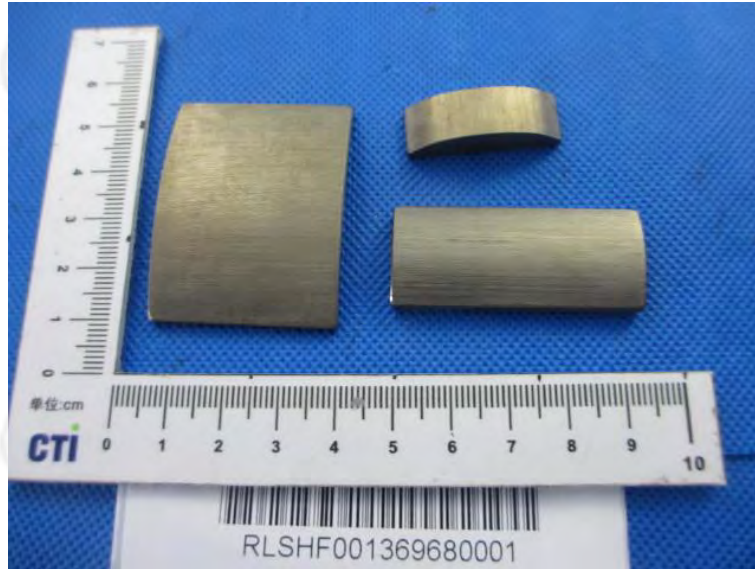
1. Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of European Union regulation concerning the Registration, Evaluation, Authorization and 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.

Test Report

Report No. RLSHF001369680001

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Photo(s) of the sample(s)



*** End of Report ***

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Test Report

Report No. RLSHF001369680006

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Material: Sintered NdFeB with Passivation

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

Sample Name Passivation NdFeB

Sample Received Date Feb.16,2013

Testing Period Feb.16,2013 to Feb.20,2013

Test Requested As specified by client, to screen the 57 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 57 SVHC substances are all less than 0.1%(w/w) in the submitted sample(s).

Tested by Verna chen.

Reviewed by Wey Zhong

Approved by Joy Su

Date Feb.20,2013



Joy Su
Senior Laboratory Manager

No. 83402474

Centre Testing International (Shenzhen) Co., Ltd. Shanghai Branch No.1996,New Jinqiao Road, Pudong District,Shanghai

Test Report

Report No. RLSHF001369680006

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Test Result(s)

No.	Substance Name(s)	CAS No.	EC No.	Concentration (%)	Report Limit
1	Cobalt dichloride*	7646-79-9	231-589-4	N.D.	0.01%
2	Diarsenic pentaoxide*	1303-28-2	215-116-9	N.D.	0.01%
3	Diarsenic trioxide*	1327-53-3	215-481-4	N.D.	0.01%
4	Sodium dichromate*	7789-12-0/ 10588-01-9	234-190-3	N.D.	0.01%
5	Lead hydrogen arsenate*	7784-40-9	232-064-2	N.D.	0.01%
6	Triethyl arsenate*	15606-95-8	427-700-2	N.D.	0.01%
7	^② Lead chromate	7758-97-6	231-846-0	N.D.	0.05%
8	^② Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	12656-85-8	235-759-9	N.D.	0.05%
9	^② Lead sulphochromate yellow (C.I. Pigment Yellow 34)***	1344-37-2	215-693-7	N.D.	0.05%
10	^③ Boric acid	10043-35-3 11113-50-1	233-139-2 234-343-4	N.D.	0.01%
11	^③ Disodium tetraborate, anhydrous*****	1330-43-4 12179-04-3 1303-96-4	215-540-4	N.D.	0.01%
12	^③ Tetraboron disodium heptaoxide, hydrate*****	12267-73-1	235-541-3	N.D.	0.01%
13	Sodium chromate*	7775-11-3	231-889-5	N.D.	0.01%
14	Potassium chromate*	7789-00-6	232-140-5	N.D.	0.01%
15	Ammonium dichromate*	7789-09-5	232-143-1	N.D.	0.01%
16	Potassium dichromate*	7778-50-9	231-906-6	N.D.	0.01%
17	Cobalt(II) sulphate*	10124-43-3	233-334-2	N.D.	0.01%
18	Cobalt(II) dinitrate*	10141-05-6	233-402-1	N.D.	0.01%
19	Cobalt(II) carbonate*	513-79-1	208-169-4	N.D.	0.01%
20	Cobalt(II) diacetate*	71-48-7	200-755-8	N.D.	0.01%
21	Chromium trioxide*	1333-82-0	215-607-8	N.D.	0.01%
22	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%
23	Strontium chromate*	7789-06-2	232-142-6	N.D.	0.01%
24	Dichromium tris(chromate)*	24613-89-6	246-356-2	N.D.	0.01%
25	Potassium hydroxyoctaoxidizincatedichromate*	11103-86-9	234-329-8	N.D.	0.01%

Test Report

Report No. RLSHF001369680006

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Test Result(s)

No.	Substance Name(s)	CAS No.	EC No.	Concentration (%)	Report Limit
26	Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	N.D.	0.01%
27	^② Aluminosilicate Refractory Ceramic Fibres (RCF) **	-	-	N.D.	0.05%
28	^② Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) **	-	-	N.D.	0.05%
29	Arsenic acid*	7778-39-4	231-901-9	N.D.	0.01%
30	Calcium arsenate*	7778-44-1	231-904-5	N.D.	0.01%
31	Trilead diarsenate*	3687-31-8	222-979-5	N.D.	0.01%
32	Lead diazide*	13424-46-9	236-542-1	N.D.	0.01%
33	Lead 2,4,6-trinitro-m-phenylene dioxide (Lead styphnate)*	15245-44-0	239-290-0	N.D.	0.01%
34	Lead dipicrate*	6477-64-1	229-335-2	N.D.	0.01%
35	^③ Diboron trioxide	1303-86-2	215-125-8	N.D.	0.01%
36	Lead(II) bis methanesulfonate*	17570-76-2	401-750-5	N.D.	0.01%
37	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	N.D.	0.01%
38	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	N.D.	0.01%
39	Lead dinitrate*	10099-74-8	233-245-9	N.D.	0.01%
40	Tetralead trioxide sulphate*	12202-17-4	235-380-9	N.D.	0.01%
41	Lead monoxide (lead oxide)*	1317-36-8	215-267-0	N.D.	0.01%
42	Lead titanium trioxide*	12060-00-3	235-038-9	N.D.	0.01%
43	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	N.D.	0.01%
44	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	N.D.	0.01%
45	Tetraethyllead*	78-00-2	201-075-4	N.D.	0.01%
46	[Phthalato(2-)]dioxotrilead*	69011-06-9	273-688-5	N.D.	0.01%
47	Lead cyanamidate*	20837-86-9	244-073-9	N.D.	0.01%
48	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped*	68784-75-8	272-271-5	N.D.	0.01%
49	Trilead dioxide phosphonate*	12141-20-7	235-252-2	N.D.	0.01%
50	Lead titanium zirconium oxide*	12626-81-2	235-727-4	N.D.	0.01%
51	Trilead bis(carbonate)dihydroxide*	1319-46-6	215-290-6	N.D.	0.01%
52	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	N.D.	0.01%
53	Orange lead (lead tetroxide)*	1314-41-6	215-235-6	N.D.	0.01%
54	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	N.D.	0.01%
55	Lead oxide sulfate*	12036-76-9	234-853-7	N.D.	0.01%
56	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	N.D.	0.01%
57	Silicic acid, lead salt*	11120-22-2	234-363-3	N.D.	0.01%

Test Report

Report No. RLSHF001369680006

Page 4 of 6

Test Method:

Refer to US EPA3052:1996, US EPA 3050B:1996, US EPA 3060A:1996, BS EN 14582:2007 for sample pretreatment.

Analyzed by ICP-OES, SEM-EDS, UV-Vis and IC.

Tested Sample/Part Description Grey metal

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.
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. ****: Concentration value of Disodium tetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodium tetraborate, with no consider of the hydrate.
7. ^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.
8. ^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.

Test Report

Report No. RLSHF001369680006

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Appendix:

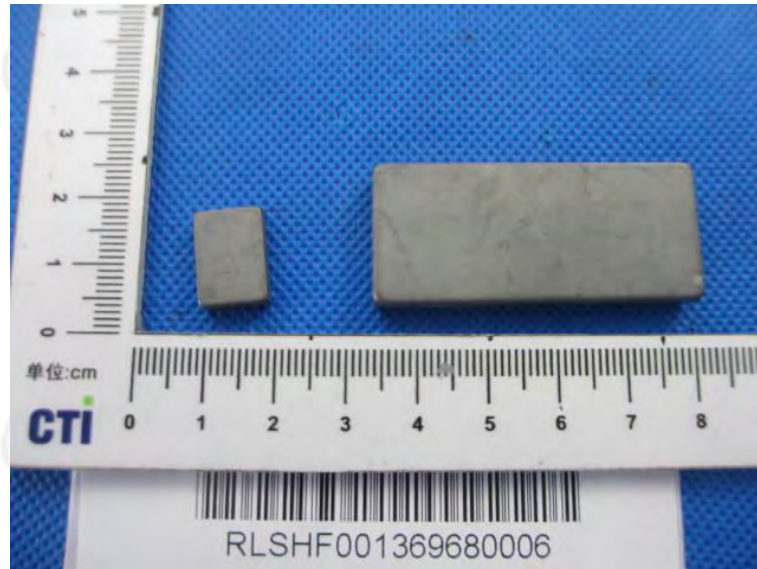
1. Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of European Union regulation concerning the Registration, Evaluation, Authorization and 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.

Test Report

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Photo(s) of the sample(s)



*** End of Report ***

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Test Report

Report No. RLSHF001369680004

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Material: Sintered NdFeB with Nickel-Copper-Nickel Coating

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

Sample Name Ni-Cu-NiNdFeB
Sample Received Date Feb.16,2013
Testing Period Feb.16,2013 to Feb.20,2013

Test Requested As specified by client, to screen the 57 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 57 SVHC substances are all less than 0.1%(w/w) in the submitted sample(s).

Tested by Verna chen.

Reviewed by Wey Zhong

Approved by Joy Su

Date Feb.20,2013

Joy Su
Senior Laboratory Manager



Centre Testing International (Shenzhen) Co., Ltd. Shanghai Branch No.1996,New Jinqiao Road, Pudong District,Shanghai No. 83402474

Test Report

Report No. RLSHF001369680004

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Test Result(s)

No.	Substance Name(s)	CAS No.	EC No.	Concentration (%)	Report Limit
1	Cobalt dichloride*	7646-79-9	231-589-4	N.D.	0.01%
2	Diarsenic pentaoxide*	1303-28-2	215-116-9	N.D.	0.01%
3	Diarsenic trioxide*	1327-53-3	215-481-4	N.D.	0.01%
4	Sodium dichromate*	7789-12-0/ 10588-01-9	234-190-3	N.D.	0.01%
5	Lead hydrogen arsenate*	7784-40-9	232-064-2	N.D.	0.01%
6	Triethyl arsenate*	15606-95-8	427-700-2	N.D.	0.01%
7	² Lead chromate	7758-97-6	231-846-0	N.D.	0.05%
8	² Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	12656-85-8	235-759-9	N.D.	0.05%
9	² Lead sulphochromate yellow (C.I. Pigment Yellow 34)***	1344-37-2	215-693-7	N.D.	0.05%
10	³ Boric acid	10043-35-3 11113-50-1	233-139-2 234-343-4	N.D.	0.01%
11	³ Disodium tetraborate, anhydrous*****	1330-43-4 12179-04-3 1303-96-4	215-540-4	N.D.	0.01%
12	³ Tetraboron disodium heptaoxide, hydrate*****	12267-73-1	235-541-3	N.D.	0.01%
13	Sodium chromate*	7775-11-3	231-889-5	N.D.	0.01%
14	Potassium chromate*	7789-00-6	232-140-5	N.D.	0.01%
15	Ammonium dichromate*	7789-09-5	232-143-1	N.D.	0.01%
16	Potassium dichromate*	7778-50-9	231-906-6	N.D.	0.01%
17	Cobalt(II) sulphate*	10124-43-3	233-334-2	N.D.	0.01%
18	Cobalt(II) dinitrate*	10141-05-6	233-402-1	N.D.	0.01%
19	Cobalt(II) carbonate*	513-79-1	208-169-4	N.D.	0.01%
20	Cobalt(II) diacetate*	71-48-7	200-755-8	N.D.	0.01%
21	Chromium trioxide*	1333-82-0	215-607-8	N.D.	0.01%
22	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%
23	Strontium chromate*	7789-06-2	232-142-6	N.D.	0.01%
24	Dichromium tris(chromate)*	24613-89-6	246-356-2	N.D.	0.01%
25	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	234-329-8	N.D.	0.01%

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Test Result(s)

No.	Substance Name(s)	CAS No.	EC No.	Concentration (%)	Report Limit
26	Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	N.D.	0.01%
27	^② Aluminosilicate Refractory Ceramic Fibres (RCF) **	-	-	N.D.	0.05%
28	^② Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) **	-	-	N.D.	0.05%
29	Arsenic acid*	7778-39-4	231-901-9	N.D.	0.01%
30	Calcium arsenate*	7778-44-1	231-904-5	N.D.	0.01%
31	Trilead diarsenate*	3687-31-8	222-979-5	N.D.	0.01%
32	Lead diazide*	13424-46-9	236-542-1	N.D.	0.01%
33	Lead 2,4,6-trinitro-m-phenylene dioxide (Lead styphnate)*	15245-44-0	239-290-0	N.D.	0.01%
34	Lead dipicrate*	6477-64-1	229-335-2	N.D.	0.01%
35	^③ Diboron trioxide	1303-86-2	215-125-8	N.D.	0.01%
36	Lead(II) bis methanesulfonate*	17570-76-2	401-750-5	N.D.	0.01%
37	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	N.D.	0.01%
38	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	N.D.	0.01%
39	Lead dinitrate*	10099-74-8	233-245-9	N.D.	0.01%
40	Tetralead trioxide sulphate*	12202-17-4	235-380-9	N.D.	0.01%
41	Lead monoxide (lead oxide)*	1317-36-8	215-267-0	N.D.	0.01%
42	Lead titanium trioxide*	12060-00-3	235-038-9	N.D.	0.01%
43	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	N.D.	0.01%
44	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	N.D.	0.01%
45	Tetraethyllead*	78-00-2	201-075-4	N.D.	0.01%
46	[Phthalato(2-)]dioxotrilead*	69011-06-9	273-688-5	N.D.	0.01%
47	Lead cyanamidate*	20837-86-9	244-073-9	N.D.	0.01%
48	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped*	68784-75-8	272-271-5	N.D.	0.01%
49	Trilead dioxide phosphonate*	12141-20-7	235-252-2	N.D.	0.01%
50	Lead titanium zirconium oxide*	12626-81-2	235-727-4	N.D.	0.01%
51	Trilead bis(carbonate)dihydroxide*	1319-46-6	215-290-6	N.D.	0.01%
52	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	N.D.	0.01%
53	Orange lead (lead tetroxide)*	1314-41-6	215-235-6	N.D.	0.01%
54	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	N.D.	0.01%
55	Lead oxide sulfate*	12036-76-9	234-853-7	N.D.	0.01%
56	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	N.D.	0.01%
57	Silicic acid, lead salt*	11120-22-2	234-363-3	N.D.	0.01%

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Test Method:

Refer to US EPA3052:1996, US EPA 3050B:1996, US EPA 3060A:1996, BS EN 14582:2007 for sample pretreatment.

Analyzed by ICP-OES, SEM-EDS, UV-Vis and IC.

Tested Sample/Part Description Metal with silvery plating

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.
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. ****: Concentration value of Disodium tetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodium tetraborate, with no consider of the hydrate.
7. ^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.
8. ^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.

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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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Material: Sintered NeFeB with Zinc Plating

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

Sample Name Blue-White Zn NdFeB
Sample Received Date Feb.16,2013
Testing Period Feb.16,2013 to Feb.20,2013

Test Requested As specified by client, to screen the 57 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 57 SVHC substances are all less than 0.1%(w/w) in the submitted sample(s).

Tested by Verna chen.

Reviewed by Wey Zhong

Approved by Joy Su

Date Feb.20,2013

Joy Su
Senior Laboratory Manager



Centre Testing International (Shenzhen) Co., Ltd. Shanghai Branch No.1996,New Jinqiao Road, Pudong District,Shanghai No. 83402474

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Test Result(s)

No.	Substance Name(s)	CAS No.	EC No.	Concentration (%)	Report Limit
1	Cobalt dichloride*	7646-79-9	231-589-4	N.D.	0.01%
2	Diarsenic pentaoxide*	1303-28-2	215-116-9	N.D.	0.01%
3	Diarsenic trioxide*	1327-53-3	215-481-4	N.D.	0.01%
4	Sodium dichromate*	7789-12-0/ 10588-01-9	234-190-3	N.D.	0.01%
5	Lead hydrogen arsenate*	7784-40-9	232-064-2	N.D.	0.01%
6	Triethyl arsenate*	15606-95-8	427-700-2	N.D.	0.01%
7	² Lead chromate	7758-97-6	231-846-0	N.D.	0.05%
8	² Lead chromate molybdate sulphate red (C.I. Pigment Red 104)***	12656-85-8	235-759-9	N.D.	0.05%
9	² Lead sulphochromate yellow (C.I. Pigment Yellow 34)***	1344-37-2	215-693-7	N.D.	0.05%
10	³ Boric acid	10043-35-3 11113-50-1	233-139-2 234-343-4	N.D.	0.01%
11	³ Disodium tetraborate, anhydrous*****	1330-43-4 12179-04-3 1303-96-4	215-540-4	N.D.	0.01%
12	³ Tetraboron disodium heptaoxide, hydrate*****	12267-73-1	235-541-3	N.D.	0.01%
13	Sodium chromate*	7775-11-3	231-889-5	N.D.	0.01%
14	Potassium chromate*	7789-00-6	232-140-5	N.D.	0.01%
15	Ammonium dichromate*	7789-09-5	232-143-1	N.D.	0.01%
16	Potassium dichromate*	7778-50-9	231-906-6	N.D.	0.01%
17	Cobalt(II) sulphate*	10124-43-3	233-334-2	N.D.	0.01%
18	Cobalt(II) dinitrate*	10141-05-6	233-402-1	N.D.	0.01%
19	Cobalt(II) carbonate*	513-79-1	208-169-4	N.D.	0.01%
20	Cobalt(II) diacetate*	71-48-7	200-755-8	N.D.	0.01%
21	Chromium trioxide*	1333-82-0	215-607-8	N.D.	0.01%
22	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%
23	Strontium chromate*	7789-06-2	232-142-6	N.D.	0.01%
24	Dichromium tris(chromate)*	24613-89-6	246-356-2	N.D.	0.01%
25	Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	234-329-8	N.D.	0.01%

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Test Result(s)

No.	Substance Name(s)	CAS No.	EC No.	Concentration (%)	Report Limit
26	Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	N.D.	0.01%
27	^② Aluminosilicate Refractory Ceramic Fibres (RCF) **	-	-	N.D.	0.05%
28	^② Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) **	-	-	N.D.	0.05%
29	Arsenic acid*	7778-39-4	231-901-9	N.D.	0.01%
30	Calcium arsenate*	7778-44-1	231-904-5	N.D.	0.01%
31	Trilead diarsenate*	3687-31-8	222-979-5	N.D.	0.01%
32	Lead diazide*	13424-46-9	236-542-1	N.D.	0.01%
33	Lead 2,4,6-trinitro-m-phenylene dioxide (Lead styphnate)*	15245-44-0	239-290-0	N.D.	0.01%
34	Lead dipicrate*	6477-64-1	229-335-2	N.D.	0.01%
35	^③ Diboron trioxide	1303-86-2	215-125-8	N.D.	0.01%
36	Lead(II) bis methanesulfonate*	17570-76-2	401-750-5	N.D.	0.01%
37	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	N.D.	0.01%
38	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	N.D.	0.01%
39	Lead dinitrate*	10099-74-8	233-245-9	N.D.	0.01%
40	Tetralead trioxide sulphate*	12202-17-4	235-380-9	N.D.	0.01%
41	Lead monoxide (lead oxide)*	1317-36-8	215-267-0	N.D.	0.01%
42	Lead titanium trioxide*	12060-00-3	235-038-9	N.D.	0.01%
43	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	N.D.	0.01%
44	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	N.D.	0.01%
45	Tetraethyllead*	78-00-2	201-075-4	N.D.	0.01%
46	[Phthalato(2-)]dioxotrilead*	69011-06-9	273-688-5	N.D.	0.01%
47	Lead cyanamidate*	20837-86-9	244-073-9	N.D.	0.01%
48	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped*	68784-75-8	272-271-5	N.D.	0.01%
49	Trilead dioxide phosphonate*	12141-20-7	235-252-2	N.D.	0.01%
50	Lead titanium zirconium oxide*	12626-81-2	235-727-4	N.D.	0.01%
51	Trilead bis(carbonate)dihydroxide*	1319-46-6	215-290-6	N.D.	0.01%
52	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	N.D.	0.01%
53	Orange lead (lead tetroxide)*	1314-41-6	215-235-6	N.D.	0.01%
54	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	N.D.	0.01%
55	Lead oxide sulfate*	12036-76-9	234-853-7	N.D.	0.01%
56	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	N.D.	0.01%
57	Silicic acid, lead salt*	11120-22-2	234-363-3	N.D.	0.01%

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Test Method:

Refer to US EPA3052:1996, US EPA 3050B:1996, US EPA 3060A:1996, BS EN 14582:2007 for sample pretreatment.

Analyzed by ICP-OES, SEM-EDS, UV-Vis and IC.

Tested Sample/Part Description Metal with blue plating

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.
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. ****: Concentration value of Disodium tetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodium tetraborate, with no consider of the hydrate.
7. ^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.
8. ^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.

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Appendix:

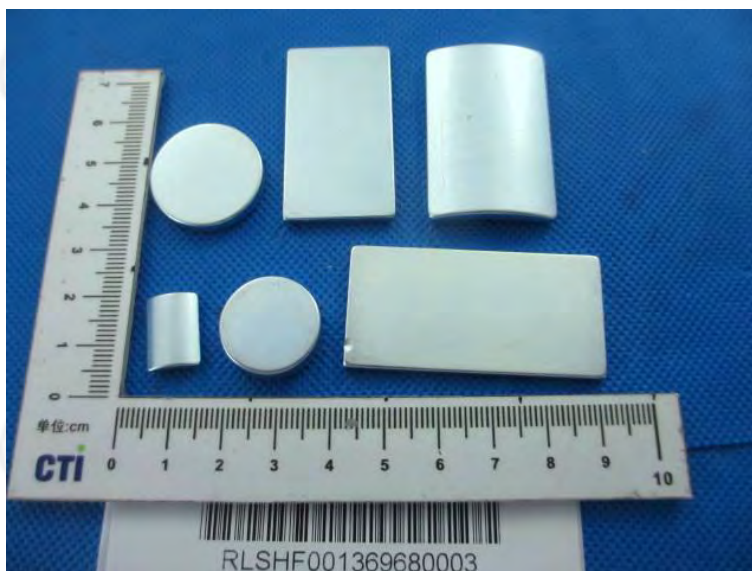
1. Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of European Union regulation concerning the Registration, Evaluation, Authorization and 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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