

Test Report

Report No. RLNBE000111290001

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Applicant JINLONG MACHINERY & ELECTRONIC CO.,LTD

Address JINLONG SCIENCE & TECHNOLOGY PARK , JIN GANG AVENUE, BAIXIANG ,
YUEQING , ZHEJIANG

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

| No | Product Name | Part Name |
|----|----------------------------|--|
| 1 | Cylindrical coreless motor | fixed ring,Bearing house,Leaf spring, shaft, segments, house, brushes,counter weight,bearing,enamellid wire,bracket,insertion contacts,snap ring |
| 2 | | |
| 3 | | washer,Rubber,Lead wire (red), Lead wire (black),Lead wire (blue),plastic, capping,end cap,Adhesive tape,magnet |
| 4 | | |

Sample Received Date Nov. 19, 2012

Testing Period Nov. 19, 2012 to Nov. 23, 2012

Test Requested As specified by client, to screen the 84 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 84 SVHC substances are all less than 0.1%(w/w) in the submitted sample(s).

Tested by

Sha Chen

Reviewed by

Wei Miao

Approved by

Chen Qian

Date

Nov. 23, 2012

Chen Qian
Approved Signatory

No. 13431622

Centre Testing International(Ningbo)Co.,Ltd. 7-8/F,.,Building A,No.750.Chuangyuan Road,Gaoxin District,Ningbo,Zhengjiang,China

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Test Method

| No. | Substance Name(s) | Test Method and Equipment(s) | Substance Classification | Report Limit |
|-----|---|---|--|--------------|
| 1 | Anthracene | Refer to US EPA 3550C:2007/ US EPA 8270D:2007, GC-MS | PBT | 0.005% |
| 2 | 4,4'- Diaminodiphenylmethane | Refer to US EPA 8270D:2007, GC-MS | Carcinogen, cat.2 | 0.005% |
| 3 | Dibutyl phthalate(DBP) | Refer to EN 14372:2004, GC-MS | Toxic for reproduction, cat.2 | 0.005% |
| 4 | Cobalt dichloride* | Refer to US EPA 3052:1996 or US EPA 3050B:1996/BS EN14582:2007, ICP-OES/IC | Carcinogen, cat.2 Toxic for reproduction, cat.2 | 0.01% |
| 5 | Diarsenic pentaoxide* | Refer to US EPA 3052:1996 or US EPA 3050B:1996, ICP-OES | Carcinogen, cat.1 | 0.01% |
| 6 | Diarsenic trioxide* | Refer to US EPA 3052:1996 or US EPA 3050B:1996, ICP-OES | Carcinogen, cat.1 | 0.01% |
| 7 | Sodium dichromate* | Refer to US EPA 3052:1996 or US EPA 3050B:1996/US EPA3060A:1996, ICP-OES/UV-Vis | Carcinogen, cat.2; Mutagen, cat.2; Toxic for reproduction, cat.2 | 0.01% |
| 8 | Musk xylene | Refer to US EPA 3540C:1996, GC-MS | vPvB | 0.005% |
| 9 | Bis(2-ethyl(hexyl)phthalate) (DEHP) | Refer to EN 14372:2004, GC-MS | Toxic for reproduction, cat.2 | 0.005% |
| 10 | Hexabromocyclododecane (HBCDD) | Refer to US EPA 3540C:1996, GC-MS | PBT | 0.005% |
| 11 | Short Chain Chlorinated Paraffins(SCCPs) | Refer to US EPA 3540C:1996, GC-MS | PBT; vPvB | 0.01% |
| 12 | Bis(tributyltin)oxide (TBTO)* | Refer to US EPA 3052:1996 or US EPA 3050B:1996/ISO 17353:2004, ICP-OES/GC-MS | PBT | 0.005% |
| 13 | Lead hydrogen arsenate* | Refer to US EPA 3052:1996 or US EPA 3050B:1996, ICP-OES | Carcinogen, cat.1; Toxic for reproduction, cat.1 | 0.01% |
| 14 | Benzyl butyl phthalate(BBP) | Refer to EN 14372:2004, GC-MS | Toxic for reproduction, cat.2 | 0.005% |
| 15 | Triethyl arsenate* | Refer to US EPA 3052:1996 or US EPA 3050B:1996, ICP-OES | Carcinogen, cat.1 | 0.01% |
| 16 | ^① Anthracene oil | Refer to US EPA 3550C:2007, GC-MS | PBT | 0.05% |
| 17 | ^① Anthracene oil, anthracene paste, distn. Lights **** | Refer to US EPA 3550C:2007, GC-MS | PBT | 0.05% |
| 18 | ^① Anthracene oil, anthracene paste, anthracene fraction | Refer to US EPA 3550C:2007, GC-MS | PBT | 0.05% |
| 19 | ^① Anthracene oil, anthracene-low | Refer to US EPA 3550C:2007, GC-MS | PBT | 0.05% |
| 20 | ^① Anthracene oil, anthracene paste | Refer to US EPA 3550C:2007, GC-MS | PBT | 0.05% |

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|-----|--|--|---|--------------|
| 21 | ^① Coal tar pitch, high temperature | Refer to US EPA 3550C:2007, GC-MS | PBT; Carcinogen, cat.2 | 0.05% |
| 22 | Acrylamide | Refer to US EPA 3550C:2007, HPLC | Carcinogen, cat.2; Mutagen, cat.2 | 0.01% |
| 23 | 2,4-Dinitrotoluene | Refer to US EPA 3550C:2007, GC-MS | Carcinogen, cat.2 | 0.01% |
| 24 | Diisobutyl phthalate (DIBP) | Refer to EN 14372:2004, GC-MS | Toxic for reproduction, cat.2 | 0.005% |
| 25 | ^② Lead chromate | Refer to US EPA 3052:1996 or US EPA 3050B:1996/US EPA 3060A:1996, ICP-OES/UV-Vis | Carcinogen, cat.2; Toxic for reproduction, cat.1 | 0.05% |
| 26 | ^② Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*** | Refer to US EPA 3052:1996 or US EPA 3050B:1996/US EPA 3060A:1996, ICP-OES/UV-Vis | Carcinogen, cat.2; Toxic for reproduction, cat.1 | 0.05% |
| 27 | ^② Lead sulfochromate yellow (C.I. Pigment Yellow 34)*** | Refer to US EPA 3052:1996 or US EPA 3050B:1996/US EPA 3060A:1996, ICP-OES/UV-Vis | Carcinogen, cat.2; Toxic for reproduction, cat.1 | 0.05% |
| 28 | Tris(2-chloroethyl)phosphate (TCEP) | Refer to US EPA 3550C:2007, GC-MS | Toxic for reproduction, cat.2 | 0.01% |
| 29 | Trichloroethylene | Refer to US EPA 3550C:2007, GC-MS | Carcinogen, cat.2 | 0.005% |
| 30 | ^③ Boric acid | Refer to US EPA 3052:1996 or US EPA 3050B:1996, ICP-OES | Toxic for reproduction, cat.2 | 0.01% |
| 31 | ^③ Disodium tetraborate, anhydrous***** | Refer to US EPA 3052:1996 or US EPA 3050B:1996, ICP-OES | Toxic for reproduction, cat.2 | 0.01% |
| 32 | ^③ Tetraboron disodium heptaoxide, hydrate***** | Refer to US EPA 3052:1996 or US EPA 3050B:1996, ICP-OES | Toxic for reproduction, cat.2 | 0.01% |
| 33 | Sodium chromate* | Refer to US EPA 3052:1996 or US EPA 3050B:1996/US EPA 3060A:1996, ICP-OES/UV-Vis | Carcinogen, cat.2; Mutagenic cat.2; Toxic for reproduction, cat.2 | 0.01% |
| 34 | Potassium chromate* | Refer to US EPA 3052:1996 or US EPA 3050B:1996/US EPA 3060A:1996, ICP-OES/UV-Vis | Carcinogen, cat.2; Mutagenic cat.2 | 0.01% |
| 35 | Ammonium dichromate* | Refer to US EPA 3052:1996 or US EPA 3050B:1996/US EPA 3060A:1996, ICP-OES/UV-Vis | Carcinogen, cat.2; Mutagenic cat.2; Toxic for reproduction, cat.2 | 0.01% |

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|-----|---|--|---|--------------|
| 36 | Potassium dichromate* | Refer to US EPA 3052:1996 or US EPA 3050B:1996/US EPA 3060A:1996, ICP-OES/UV-Vis | Carcinogen, cat.2; Mutagenic cat.2; Toxic for reproduction, cat.2 | 0.01% |
| 37 | Cobalt(II) sulphate* | Refer to US EPA 3052:1996 or US EPA 3050B:1996/in-house method, ICP-OES/IC | Toxic for reproduction, cat.2 Carcinogen, cat.2 | 0.01% |
| 38 | Cobalt(II) dinitrate* | Refer to US EPA 3052:1996 or US EPA 3050B:1996/in-house method, ICP-OES/IC | Toxic for reproduction, cat.2 Carcinogen, cat.2 | 0.01% |
| 39 | Cobalt(II) carbonate* | Refer to US EPA 3052:1996 or US EPA 3050B:1996/in-house method, ICP-OES/IC | Toxic for reproduction, cat.2 Carcinogen, cat.2 | 0.01% |
| 40 | Cobalt(II) diacetate* | Refer to US EPA 3052:1996 or US EPA 3050B:1996/in-house method, ICP-OES/IC | Toxic for reproduction, cat.2 Carcinogen, cat.2 | 0.01% |
| 41 | 2-Methoxyethanol | Refer to US EPA 3550C:2007, GC-MS | Toxic for reproduction, cat.2 | 0.005% |
| 42 | 2-Ethoxyethanol | Refer to US EPA 3550C:2007, GC-MS | Toxic for reproduction, cat.2 | 0.005% |
| 43 | Chromium trioxide* | Refer to US EPA 3052:1996 or US EPA 3050B:1996/US EPA 3060A:1996, ICP-OES/UV-Vis | Carcinogen, cat.1; Mutagenic cat.2 | 0.01% |
| 44 | Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid* | Refer to US EPA 3052:1996 or US EPA 3050B:1996/US EPA 3060A:1996, ICP-OES/UV-Vis | Carcinogen, cat.2 | 0.01% |
| 45 | 2-ethoxyethyl acetate | Refer to US EPA 3550C:2007, GC-MS | Toxic for reproduction, cat.2 | 0.01% |
| 46 | Strontium chromate* | Refer to US EPA 3052:1996 or US EPA 3050B:1996/US EPA 3060A:1996, ICP-OES/UV-Vis | Carcinogen, cat.2 | 0.01% |
| 47 | ^① 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | Refer to EN14372:2004, GC-MS | Toxic for reproduction, cat.2 | 0.01% |
| 48 | Hydrazine | Refer to US EPA 3550C:2007, GC-MS | Carcinogen, cat.2 | 0.01% |

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|-----|--|--|--|--------------|
| 49 | 1-methyl-2-pyrrolidone | Refer to US EPA 3550C:2007, GC-MS | Toxic for reproduction, cat.2 | 0.01% |
| 50 | 1,2,3-trichloropropane | Refer to US EPA 3550C:2007, GC-MS | Carcinogen, cat.2 Toxic for reproduction, cat.2 | 0.01% |
| 51 | ^① 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich | Refer to EN14372:2004, GC-MS | Toxic for reproduction, cat.2 | 0.01% |
| 52 | Dichromium tris(chromate)* | Refer to US EPA 3052:1996 or US EPA 3050B:1996/US EPA 3060A:1996, ICP-OES/UV-Vis | Carcinogen, cat.2 | 0.01% |
| 53 | Potassium hydroxyoctaoxodizincatedichromate* | Refer to US EPA 3052:1996 or US EPA 3050B:1996/US EPA 3060A:1996, ICP-OES/UV-Vis | Carcinogen, cat.1 | 0.01% |
| 54 | Pentazinc chromate octahydroxide* | Refer to US EPA 3052:1996 or US EPA 3050B:1996/US EPA 3060A:1996, ICP-OES/UV-Vis | Carcinogen, cat.1 | 0.01% |
| 55 | ^② Aluminosilicate Refractory Ceramic Fibres (RCF) ** | Refer to US EPA 3052:1996 or US EPA 3050B:1996, ICP-OES/SEM-EDS | Carcinogen, cat.2 | 0.05% |
| 56 | ^② Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) ** | Refer to US EPA 3052:1996 or US EPA 3050B:1996, ICP-OES/SEM-EDS | Carcinogen, cat.2 | 0.05% |
| 57 | ^③ Formaldehyde, oligomeric reaction products with aniline (technical MDA) | Refer to US EPA 3550C:2007, GC-MS | Carcinogen, cat.2 | 0.01% |
| 58 | Bis(2-methoxyethyl) phthalate | Refer to EN 14372:2004, GC-MS | Toxic for reproduction, cat.2 | 0.005% |
| 59 | 2-Methoxyaniline (o-Anisidine) | Refer to US EPA 3550C:2007, GC-MS | Carcinogen, cat.2 | 0.005% |
| 60 | 4-(1,1,3,3-tetramethylbutyl)phenol (4-tert-Octylphenol) | Refer to US EPA 3550C:2007, GC-MS | Equivalent concern [▲] | 0.005% |
| 61 | 1,2-Dichloroethane | Refer to US EPA 3550C:2007, GC-MS | Carcinogen, cat.2 | 0.005% |
| 62 | Bis(2-methoxyethyl) ether | Refer to US EPA 3550C:2007, GC-MS | Carcinogen, cat.2 | 0.005% |
| 63 | Arsenic acid* | Refer to US EPA 3052:1996 or US EPA 3050B:1996, ICP-OES | Carcinogen, cat.1 | 0.01% |

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| No. | Substance Name(s) | Test Method and Equipment(s) | Substance Classification | Report Limit |
|-----|--|---|--|--------------|
| 64 | Calcium arsenate* | Refer to US EPA 3052:1996 or US EPA 3050B:1996, ICP-OES | Carcinogen, cat.1 | 0.01% |
| 65 | Trilead diarsenate* | Refer to US EPA 3052:1996 or US EPA 3050B:1996, ICP-OES | Carcinogen, cat.1; Toxic for reproduction, cat.1 | 0.01% |
| 66 | N,N-dimethylacetamide (DMAC) | Refer to US EPA 3550C:2007, GC-MS | Carcinogen, cat.2 | 0.005% |
| 67 | 2,2'-dichloro-4,4'-methylenedianiline (MOCA) | Refer to US EPA 3550C:2007, GC-MS | Carcinogen, cat.2 | 0.005% |
| 68 | Phenolphthalein | Refer to US EPA 3550C:2007, HPLC | Carcinogen, cat.2 | 0.005% |
| 69 | Lead diazide* | Refer to US EPA 3052:1996 or US EPA 3050B:1996, ICP-OES | Toxic for reproduction, cat.1 | 0.01% |
| 70 | Lead 2,4,6-trinitro-m-phenylene dioxide (Lead styphnate)* | Refer to US EPA 3052:1996 or US EPA 3050B:1996, ICP-OES | Toxic for reproduction, cat.1 | 0.01% |
| 71 | Lead dipicrate* | Refer to US EPA 3052:1996 or US EPA 3050B:1996, ICP-OES | Toxic for reproduction, cat.1 | 0.01% |
| 72 | 1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme) | Refer to US EPA 3550C:2007, GC-MS | Toxic for reproduction | 0.01% |
| 73 | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | Refer to US EPA 3550C:2007, GC-MS | Toxic for reproduction | 0.01% |
| 74 | ¹⁰ Boron trioxide | Refer to US EPA 3052:1996 or US EPA 3050B:1996, ICP-OES | Toxic for reproduction | 0.01% |
| 75 | Formamide | Refer to US EPA 3550C:2007, GC-MS | Toxic for reproduction | 0.01% |
| 76 | Lead(II) bis methanesulfonate* | Refer to US EPA 3052:1996 or US EPA 3050B:1996, ICP-OES | Toxic for reproduction | 0.01% |
| 77 | TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione) | Refer to US EPA 3550C:2007, GC-MS | Mutagenic | 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) | Refer to US EPA 3550C:2007, GC-MS | Mutagenic | 0.01% |

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| No. | Substance Name(s) | Test Method and Equipment(s) | Substance Classification | Report Limit |
|-----|---|--------------------------------------|---------------------------|--------------|
| 79 | 4,4'-bis(dimethylamino) benzophenone (Michler's ketone) | Refer to US EPA 3550C:2007, GC-MS | Carcinogenic | 0.01% |
| 80 | N,N,N',N'-tetramethyl-4,4'-methylene dianiline (Michler's base) | Refer to US EPA 3550C:2007, GC-MS | Carcinogenic | 0.01% |
| 81 | [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride(C.I. Basic Violet 3) | Refer to US EPA 3550C:2007, LC-MS-MS | Carcinogenic ^④ | 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) | Refer to US EPA 3550C:2007, LC-MS-MS | Carcinogenic ^④ | 0.01% |
| 83 | α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methano 1 (C.I. Solvent Blue 4) | Refer to US EPA 3550C:2007, LC-MS-MS | Carcinogenic ^④ | 0.01% |
| 84 | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol | Refer to US EPA 3550C:2007, LC-MS-MS | Carcinogenic ^④ | 0.01% |

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Test Result(s)

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

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Test Result(s)

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

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Test Result(s)

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

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Test Result(s)

| No. | Substance Name(s) | CAS No. | EC No. | Concentration(%) | | | |
|-----|--|------------|-----------|------------------|------|------|------|
| | | | | 1 | 2 | 3 | 4 |
| 72 | 1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme) | 112-49-2 | 203-977-3 | / | / | N.D. | N.D. |
| 73 | 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | 110-71-4 | 203-794-9 | / | / | N.D. | N.D. |
| 74 | [®] Diboron trioxide | 1303-86-2 | 215-125-8 | N.D. | N.D. | N.D. | N.D. |
| 75 | Formamide | 75-12-7 | 200-842-0 | / | / | N.D. | N.D. |
| 76 | Lead(II) bis methanesulfonate* | 17570-76-2 | 401-750-5 | N.D. | N.D. | N.D. | N.D. |
| 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. | N.D. |
| 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. | N.D. |
| 79 | 4,4'-bis(dimethylamino) benzophenone (Michler's ketone) | 90-94-8 | 202-027-5 | / | / | N.D. | N.D. |
| 80 | N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 101-61-1 | 202-959-2 | / | / | N.D. | N.D. |
| 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. | N.D. |
| 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. | N.D. |
| 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. | N.D. |
| 84 | 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol | 561-41-1 | 209-218-2 | / | / | N.D. | N.D. |

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Tested Sample/Part Description

- 1 Mixed test, seven kinds of metal
- 2 Mixed test, six kinds of metal
- 3 Mixed test, five kinds of nonmetal
- 4 Mixed test, five kinds of nonmetal

Note:

1. w/w = weight by weight; 0.1% = 1000 mg/kg = 1000 ppm
2. N.D. = Not Detected (<report limit)
3. PBT= Persistent,Bioaccumulative,Toxic; vPvB=very Persistent very Bioaccumulative
4. ▲= An equivalent level of concern as exerted by CMR or, PBT/vPvB substances.
5. *: Concentration value of Cobalt dichloride; Diarsenic pentaoxide; Diarsenic trioxide; Sodium dichromate; Lead hydrogen arsenate; Triethyl arsenate; Strontium chromate; Sodium chromate; Potassium chromate; Ammonium dichromate; Potassium dichromate; Cobalt(II) sulphate; Cobalt(II) dinitrate; Cobalt(II) carbonate; Cobalt(II) diacetate; Chromium trioxide; Chromic acid, Dichromic acid, and Oligomers of chromic acid and dichromic acid; Dichromium tris(chromate); Potassium hydroxyoctaoxidizincatedichromate; Pentazinc chromate octahydroxide; Calcium arsenate; Trilead diarsenate; Arsenic acid; Lead diazide; Lead 2,4,6-trinitro-m-phenylene dioxide (Lead styphnate); Lead dipicrate; Lead(II) bismethanesulfonate 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.
6. **: 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).
7. ***: C.I.: Colour Index
8. ****: Light fractions from distillation
9. *****: Concentration value of Disodium tetraborate, anhydrous and Tetraboron disodium heptaoxide, hydrate is evaluated by Disodium tetraborate, with no consider of the hydrate.
10. ^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.
11. ^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.
12. ^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.
13. ^④: 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).

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Appendix:

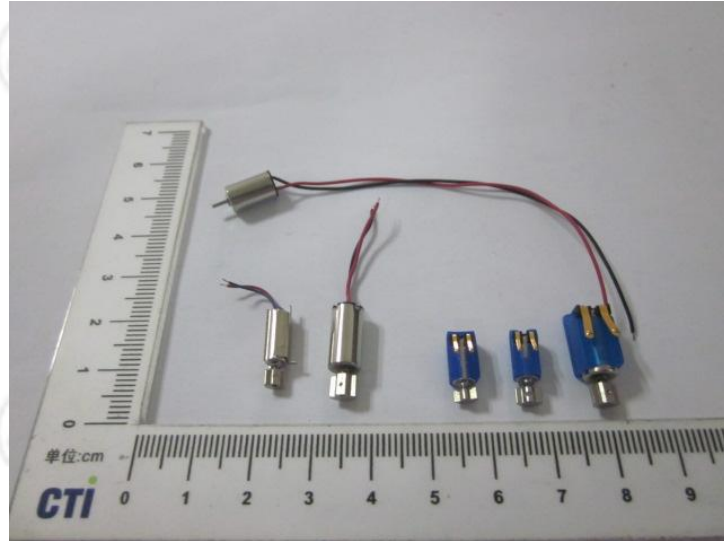
1. Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0,1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of European Union regulation concerning the Registration, Evaluation, Authorization and 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 Product(s)



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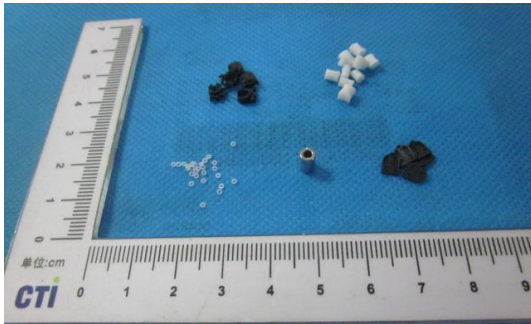
Photo(s) of the sample(s)



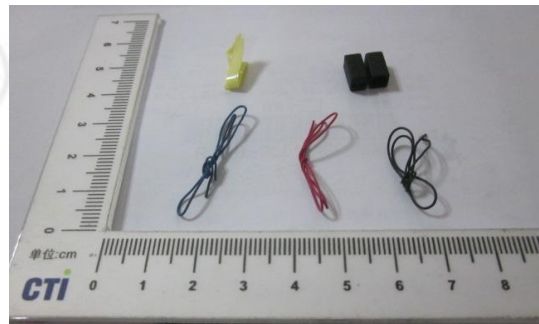
1



2



3



4

*** End of Report ***

The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CTI, this report can't be reproduced except in full.