



**Test Report**

Number: GZHH00074172S1

Applicant: GUANGZHOU MONALISA BUILDING MATERIALS CO.,LTD  
NO.1, MONALISA ROAD, HUAQIAO ECONOMIC & DEVELOPMENTAL EXPERIMENTAL AREA, HUADONG TOWN, HUADU DISTRICT, GUANGZHOU CITY, CHINA

Date: Aug 18, 2011

Attn: LISA LI

*This is to supersede Report No. GZHH00074172 dated Jul 25, 2011*

Sample Description:

One (1) piece of submitted sample said to be :

- Item Name : **Excessive Function Steam-House**
- Item No. : **M-8216**
- Vendor : GuangZhou Monalisa Building Materials CO.,LTD
- Country of Origin : China



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Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

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Remark : As per client's request, only the results of the tested groups stated in the test report were shown. The results of the electric wire groups were not shown.

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Authorized by:  
For Intertek Testing Services  
Guangzhou Ltd. Science City Branch



Ben N.L. Lin  
General Manager





**Test Report**

Number: GZHH00074172S1

Tests Conducted

( I ) SVHC Testing Results

(a) The First List (15 SVHC Released in Oct, 2008)

Chemical Substance	CAS No.	Results % (w/w)				
		(1)	(2)	(3)	(4)	(5)
Cobalt Dichloride Δ	7646-79-9	ND	ND	ND	ND	ND
Diarsenic Pentaoxide Δ	1303-28-2	ND	ND	ND	ND	ND
Diarsenic Trioxide Δ	1327-53-3	ND	ND	ND	ND	ND
Lead Hydrogen Arsenate Δ	7784-40-9	ND	ND	ND	ND	ND
Triethyl Arsenate Δ	15606-95-8	ND	ND	ND	ND	ND
Sodium Dichromate Δ	7789-12-0, 10588-01-9	ND	ND	ND	ND	ND
Bis (Tributyltin) Oxide (TBTO)	56-35-9	ND	ND	ND	ND	ND
Anthracene	120-12-7	ND	ND	ND	ND	ND
4,4'-Diaminodiphenylmethane (MDA)	101-77-9	ND	ND	ND	ND	ND
Hexabromocyclododecane (HBCDD) and All Major Diastereoisomers Identified (α-HBCDD, β-HBCDD, γ-HBCDD)	25637-99-4 and 3194-55-6 (134237-50-6, 134237-51-7, 134237-52-8)	ND	ND	ND	ND	ND
5-Tert-Butyl-2,4,6-Trinitro-m-Xylene (Musk Xylene)	81-15-2	ND	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate (DEHP)	117-81-7	ND	ND	ND	2.37	ND
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	ND	ND
Benzyl Butyl Phthalate (BBP)	85-68-7	ND	ND	ND	ND	ND
Short Chain Chlorinated Paraffins (C <sub>10-13</sub> )	85535-84-8	ND	ND	ND	ND	ND

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**Test Report**

Number: GZHH00074172S1

Tests Conducted

Chemical Substance	CAS No.	Results % (w/w)				
		(6)	(7)	(8)	(9)	(10)
Cobalt Dichloride Δ	7646-79-9	ND	ND	ND	ND	ND
Diarsenic Pentaoxide Δ	1303-28-2	ND	ND	ND	ND	ND
Diarsenic Trioxide Δ	1327-53-3	ND	ND	ND	ND	ND
Lead Hydrogen Arsenate Δ	7784-40-9	ND	ND	ND	ND	ND
Triethyl Arsenate Δ	15606-95-8	ND	ND	ND	ND	ND
Sodium Dichromate Δ	7789-12-0, 10588-01-9	ND	ND	ND	ND	ND
Bis (Tributyltin) Oxide (TBTO)	56-35-9	ND	ND	ND	ND	ND
Anthracene	120-12-7	ND	ND	ND	ND	ND
4,4'-Diaminodiphenylmethane (MDA)	101-77-9	ND	ND	ND	ND	ND
Hexabromocyclododecane (HBCDD) and All Major Diastereoisomers Identified (α-HBCDD, β-HBCDD, γ-HBCDD)	25637-99-4 and 3194-55-6 (134237-50-6, 134237-51-7, 134237-52-8)	ND	ND	ND	ND	ND
5-Tert-Butyl-2,4,6-Trinitro-m-Xylene (Musk Xylene)	81-15-2	ND	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate (DEHP)	117-81-7	ND	ND	ND	ND	0.234
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	ND	ND
Benzyl Butyl Phthalate (BBP)	85-68-7	ND	ND	ND	ND	ND
Short Chain Chlorinated Paraffins (C <sub>10-13</sub> )	85535-84-8	ND	ND	ND	ND	ND

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**Test Report**

Number: GZHH00074172S1

Tests Conducted

Chemical Substance	CAS No.	Results % (w/w)				
		(11)	(12)	(13)	(14)	(15)
Cobalt Dichloride Δ	7646-79-9	ND	ND	ND	ND	ND
Diarsenic Pentaoxide Δ	1303-28-2	ND	ND	ND	ND	ND
Diarsenic Trioxide Δ	1327-53-3	ND	ND	ND	ND	ND
Lead Hydrogen Arsenate Δ	7784-40-9	ND	ND	ND	ND	ND
Triethyl Arsenate Δ	15606-95-8	ND	ND	ND	ND	ND
Sodium Dichromate Δ	7789-12-0, 10588-01-9	ND	ND	ND	ND	ND
Bis (Tributyltin) Oxide (TBTO)	56-35-9	ND	ND	ND	ND	ND
Anthracene	120-12-7	ND	ND	ND	ND	ND
4,4'-Diaminodiphenylmethane (MDA)	101-77-9	ND	ND	ND	ND	ND
Hexabromocyclododecane (HBCDD) and All Major Diastereoisomers Identified (α-HBCDD, β-HBCDD, γ-HBCDD)	25637-99-4 and 3194-55-6 (134237-50-6, 134237-51-7, 134237-52-8)	ND	ND	ND	ND	ND
5-Tert-Butyl-2,4,6-Trinitro-m-Xylene (Musk Xylene)	81-15-2	ND	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate (DEHP)	117-81-7	0.944	ND	ND	ND	ND
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	ND	ND
Benzyl Butyl Phthalate (BBP)	85-68-7	ND	ND	ND	ND	ND
Short Chain Chlorinated Paraffins (C <sub>10-13</sub> )	85535-84-8	ND	ND	ND	ND	ND

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**Test Report**

Number: GZHH00074172S1

Tests Conducted

Chemical Substance	CAS No.	Results % (w/w)				
		(16)	(17)	(18)	(19)	(20)
Cobalt Dichloride Δ	7646-79-9	ND	ND	ND	ND	ND
Diarsenic Pentaoxide Δ	1303-28-2	ND	ND	ND	ND	ND
Diarsenic Trioxide Δ	1327-53-3	ND	ND	ND	ND	ND
Lead Hydrogen Arsenate Δ	7784-40-9	ND	ND	ND	ND	ND
Triethyl Arsenate Δ	15606-95-8	ND	ND	ND	ND	ND
Sodium Dichromate Δ	7789-12-0, 10588-01-9	ND	ND	ND	ND	ND
Bis (Tributyltin) Oxide (TBTO)	56-35-9	ND	ND	ND	ND	ND
Anthracene	120-12-7	ND	ND	ND	ND	ND
4,4'-Diaminodiphenylmethane (MDA)	101-77-9	ND	ND	ND	ND	ND
Hexabromocyclododecane (HBCDD) and All Major Diastereoisomers Identified (α-HBCDD, β-HBCDD, γ-HBCDD)	25637-99-4 and 3194-55-6 (134237-50-6, 134237-51-7, 134237-52-8)	ND	ND	ND	ND	ND
5-Tert-Butyl-2,4,6-Trinitro-m-Xylene (Musk Xylene)	81-15-2	ND	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate (DEHP)	117-81-7	11.1	11.3	ND	2.01	ND
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	ND	ND
Benzyl Butyl Phthalate (BBP)	85-68-7	ND	ND	ND	ND	ND
Short Chain Chlorinated Paraffins (C <sub>10-13</sub> )	85535-84-8	ND	3.77	ND	ND	ND

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**Test Report**

Number: GZHH00074172S1

Tests Conducted

Chemical Substance	CAS No.	Results % (w/w)				
		(21)	(22)	(23)	(24)	(25)
Cobalt Dichloride Δ	7646-79-9	ND	ND	ND	ND	ND
Diarsenic Pentaoxide Δ	1303-28-2	ND	ND	ND	ND	ND
Diarsenic Trioxide Δ	1327-53-3	ND	ND	ND	ND	ND
Lead Hydrogen Arsenate Δ	7784-40-9	ND	ND	ND	ND	ND
Triethyl Arsenate Δ	15606-95-8	ND	ND	ND	ND	ND
Sodium Dichromate Δ	7789-12-0, 10588-01-9	ND	ND	ND	ND	ND
Bis (Tributyltin) Oxide (TBTO)	56-35-9	ND	ND	ND	ND	ND
Anthracene	120-12-7	ND	ND	ND	ND	ND
4,4'-Diaminodiphenylmethane (MDA)	101-77-9	ND	ND	ND	ND	ND
Hexabromocyclododecane (HBCDD) and All Major Diastereoisomers Identified (α-HBCDD, β-HBCDD, γ-HBCDD)	25637-99-4 and 3194-55-6 (134237-50-6, 134237-51-7, 134237-52-8)	ND	ND	ND	ND	ND
5-Tert-Butyl-2,4,6-Trinitro-m-Xylene (Musk Xylene)	81-15-2	ND	ND	ND	ND	ND
Bis (2-Ethylhexyl) Phthalate (DEHP)	117-81-7	ND	ND	ND	ND	ND
Dibutyl Phthalate (DBP)	84-74-2	ND	ND	ND	ND	ND
Benzyl Butyl Phthalate (BBP)	85-68-7	ND	ND	ND	ND	ND
Short Chain Chlorinated Paraffins (C <sub>10-13</sub> )	85535-84-8	ND	ND	ND	ND	ND

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**Test Report**

Number: GZHH00074172S1

Tests Conducted

(b) The Second List (15 SVHC Released in Jan, 2010 and Mar, 2010)

Chemical Substance	CAS No.	Results % (w/w)				
		(1)	(2)	(3)	(4)	(5)
Aluminosilicate Refractory Ceramic Fibres Δ	(Index No. 650-017-00-8)	ND	ND	ND	ND	ND
Zirconia Aluminosilicate Refractory Ceramic Fibres Δ	(Index No. 650-017-00-8)	ND	ND	ND	ND	ND
Lead Chromate Δ	7758-97-6	ND	ND	ND	ND	ND
Lead Chromate Molybdate Sulphate Red (C.I. Pigment Red 104) Δ	12656-85-8	ND	ND	ND	ND	ND
Lead Sulfochromate Yellow (C.I. Pigment Yellow 34) Δ	1344-37-2	ND	ND	ND	ND	ND
Tris (2-Chloroethyl) Phosphate	115-96-8	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	121-14-2	ND	ND	ND	ND	ND
Diisobutyl Phthalate (DIBP)	84-69-5	ND	ND	ND	0.528	ND
Coal Tar Pitch, High Temperature	65996-93-2	ND	ND	ND	ND	ND
Anthracene Oil	90640-80-5	ND	ND	ND	ND	ND
Anthracene Oil, Anthracene Paste, Distn. Lights	91995-17-4	ND	ND	ND	ND	ND
Anthracene Oil, Anthracene Paste, Anthracene Fraction	91995-15-2	ND	ND	ND	ND	ND
Anthracene Oil, Anthracene-low	90640-82-7	ND	ND	ND	ND	ND
Anthracene Oil, Anthracene Paste	90640-81-6	ND	ND	ND	ND	ND
Acrylamide	79-06-1	ND	ND	ND	ND	ND

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**Test Report**

Number: GZHH00074172S1

Tests Conducted

Chemical Substance	CAS No.	Results % (w/w)				
		(6)	(7)	(8)	(9)	(10)
Aluminosilicate Refractory Ceramic Fibres Δ	(Index No. 650-017-00-8)	ND	ND	ND	ND	ND
Zirconia Aluminosilicate Refractory Ceramic Fibres Δ	(Index No. 650-017-00-8)	ND	ND	ND	ND	ND
Lead Chromate Δ	7758-97-6	ND	ND	ND	ND	ND
Lead Chromate Molybdate Sulphate Red (C.I. Pigment Red 104) Δ	12656-85-8	ND	ND	ND	ND	ND
Lead Sulfochromate Yellow (C.I. Pigment Yellow 34) Δ	1344-37-2	ND	ND	ND	ND	ND
Tris (2-Chloroethyl) Phosphate	115-96-8	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	121-14-2	ND	ND	ND	ND	ND
Diisobutyl Phthalate (DIBP)	84-69-5	ND	ND	ND	ND	ND
Coal Tar Pitch, High Temperature	65996-93-2	ND	ND	ND	ND	ND
Anthracene Oil	90640-80-5	ND	ND	ND	ND	ND
Anthracene Oil, Anthracene Paste, Distn. Lights	91995-17-4	ND	ND	ND	ND	ND
Anthracene Oil, Anthracene Paste, Anthracene Fraction	91995-15-2	ND	ND	ND	ND	ND
Anthracene Oil, Anthracene-low	90640-82-7	ND	ND	ND	ND	ND
Anthracene Oil, Anthracene Paste	90640-81-6	ND	ND	ND	ND	ND
Acrylamide	79-06-1	ND	ND	ND	ND	ND

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**Test Report**

Number: GZHH00074172S1

Tests Conducted

Chemical Substance	CAS No.	Results % (w/w)				
		(11)	(12)	(13)	(14)	(15)
Aluminosilicate Refractory Ceramic Fibres Δ	(Index No. 650-017-00-8)	ND	ND	ND	ND	ND
Zirconia Aluminosilicate Refractory Ceramic Fibres Δ	(Index No. 650-017-00-8)	ND	ND	ND	ND	ND
Lead Chromate Δ	7758-97-6	ND	ND	ND	ND	ND
Lead Chromate Molybdate Sulphate Red (C.I. Pigment Red 104) Δ	12656-85-8	ND	ND	ND	ND	ND
Lead Sulfochromate Yellow (C.I. Pigment Yellow 34) Δ	1344-37-2	ND	ND	ND	ND	ND
Tris (2-Chloroethyl) Phosphate	115-96-8	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	121-14-2	ND	ND	ND	ND	ND
Diisobutyl Phthalate (DIBP)	84-69-5	ND	ND	ND	ND	ND
Coal Tar Pitch, High Temperature	65996-93-2	ND	ND	ND	ND	ND
Anthracene Oil	90640-80-5	ND	ND	ND	ND	ND
Anthracene Oil, Anthracene Paste, Distn. Lights	91995-17-4	See Remark #	ND	ND	ND	ND
Anthracene Oil, Anthracene Paste, Anthracene Fraction	91995-15-2	ND	ND	ND	ND	ND
Anthracene Oil, Anthracene-low	90640-82-7	ND	ND	ND	ND	ND
Anthracene Oil, Anthracene Paste	90640-81-6	ND	ND	ND	ND	ND
Acrylamide	79-06-1	ND	ND	ND	ND	ND

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**Test Report**

Number: GZHH00074172S1

Tests Conducted

Chemical Substance	CAS No.	Results % (w/w)				
		(16)	(17)	(18)	(19)	(20)
Aluminosilicate Refractory Ceramic Fibres Δ	(Index No. 650-017-00-8)	ND	ND	ND	ND	ND
Zirconia Aluminosilicate Refractory Ceramic Fibres Δ	(Index No. 650-017-00-8)	ND	ND	ND	ND	ND
Lead Chromate Δ	7758-97-6	ND	ND	ND	ND	ND
Lead Chromate Molybdate Sulphate Red (C.I. Pigment Red 104) Δ	12656-85-8	ND	ND	ND	ND	ND
Lead Sulfochromate Yellow (C.I. Pigment Yellow 34) Δ	1344-37-2	ND	ND	ND	ND	ND
Tris (2-Chloroethyl) Phosphate	115-96-8	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	121-14-2	ND	ND	ND	ND	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.056	0.160	ND	ND	ND
Coal Tar Pitch, High Temperature	65996-93-2	ND	ND	ND	ND	ND
Anthracene Oil	90640-80-5	ND	ND	ND	ND	ND
Anthracene Oil, Anthracene Paste, Distn. Lights	91995-17-4	ND	ND	ND	ND	ND
Anthracene Oil, Anthracene Paste, Anthracene Fraction	91995-15-2	ND	ND	ND	ND	ND
Anthracene Oil, Anthracene-low	90640-82-7	ND	ND	ND	ND	ND
Anthracene Oil, Anthracene Paste	90640-81-6	ND	ND	ND	ND	ND
Acrylamide	79-06-1	ND	ND	ND	ND	ND

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**Test Report**

Number: GZHH00074172S1

Tests Conducted

Chemical Substance	CAS No.	Results % (w/w)				
		(21)	(22)	(23)	(24)	(25)
Aluminosilicate Refractory Ceramic Fibres Δ	(Index No. 650-017-00-8)	ND	ND	ND	ND	ND
Zirconia Aluminosilicate Refractory Ceramic Fibres Δ	(Index No. 650-017-00-8)	ND	ND	ND	ND	ND
Lead Chromate Δ	7758-97-6	ND	ND	ND	ND	ND
Lead Chromate Molybdate Sulphate Red (C.I. Pigment Red 104) Δ	12656-85-8	ND	ND	ND	ND	ND
Lead Sulfochromate Yellow (C.I. Pigment Yellow 34) Δ	1344-37-2	ND	ND	ND	ND	ND
Tris (2-Chloroethyl) Phosphate	115-96-8	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	121-14-2	ND	ND	ND	ND	ND
Diisobutyl Phthalate (DIBP)	84-69-5	ND	ND	ND	ND	ND
Coal Tar Pitch, High Temperature	65996-93-2	ND	ND	ND	ND	ND
Anthracene Oil	90640-80-5	ND	ND	ND	ND	ND
Anthracene Oil, Anthracene Paste, Distn. Lights	91995-17-4	ND	ND	ND	ND	ND
Anthracene Oil, Anthracene Paste, Anthracene Fraction	91995-15-2	ND	ND	ND	ND	ND
Anthracene Oil, Anthracene-low	90640-82-7	ND	ND	ND	ND	ND
Anthracene Oil, Anthracene Paste	90640-81-6	ND	ND	ND	ND	ND
Acrylamide	79-06-1	ND	ND	ND	ND	ND

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**Test Report**

Number: GZHH00074172S1

Tests Conducted

(c) The Third List (8 SVHC Released in Jun, 2010)

Chemical Substance	CAS No.	Results % (w/w)				
		(1)	(2)	(3)	(4)	(5)
Boric Acid Δ	10043-35-3, 11113-50-1	ND	ND	ND	ND	ND
Disodium Tetraborate, Anhydrous Δ	1330-43-4, 12179-04-3, 1303-96-4	ND	ND	ND	ND	ND
Tetraboron Disodium Heptaoxide, Hydrate Δ	12267-73-1	ND	ND	ND	ND	ND
Sodium Chromate Δ	7775-11-3	ND	ND	ND	ND	ND
Potassium Chromate Δ	7789-00-6	ND	ND	ND	ND	ND
Ammonium Dichromate Δ	7789-09-5	ND	ND	ND	ND	ND
Potassium Dichromate Δ	7778-50-9	ND	ND	ND	ND	ND
Trichloroethylene	79-01-6	ND	ND	ND	ND	ND

Chemical Substance	CAS No.	Results % (w/w)				
		(6)	(7)	(8)	(9)	(10)
Boric Acid Δ	10043-35-3, 11113-50-1	ND	ND	ND	ND	ND
Disodium Tetraborate, Anhydrous Δ	1330-43-4, 12179-04-3, 1303-96-4	ND	ND	ND	ND	ND
Tetraboron Disodium Heptaoxide, Hydrate Δ	12267-73-1	ND	ND	ND	ND	ND
Sodium Chromate Δ	7775-11-3	ND	ND	ND	ND	ND
Potassium Chromate Δ	7789-00-6	ND	ND	ND	ND	ND
Ammonium Dichromate Δ	7789-09-5	ND	ND	ND	ND	ND
Potassium Dichromate Δ	7778-50-9	ND	ND	ND	ND	ND
Trichloroethylene	79-01-6	ND	ND	ND	ND	ND

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**Test Report**

Number: GZHH00074172S1

Tests Conducted

Chemical Substance	CAS No.	Results % (w/w)				
		(11)	(12)	(13)	(14)	(15)
Boric Acid Δ	10043-35-3, 11113-50-1	ND	ND	ND	ND	ND
Disodium Tetraborate, Anhydrous Δ	1330-43-4, 12179-04-3, 1303-96-4	ND	ND	ND	ND	ND
Tetraboron Disodium Heptaoxide, Hydrate Δ	12267-73-1	ND	ND	ND	ND	ND
Sodium Chromate Δ	7775-11-3	ND	ND	ND	ND	ND
Potassium Chromate Δ	7789-00-6	ND	ND	ND	ND	ND
Ammonium Dichromate Δ	7789-09-5	ND	ND	ND	ND	ND
Potassium Dichromate Δ	7778-50-9	ND	ND	ND	ND	ND
Trichloroethylene	79-01-6	ND	ND	ND	ND	ND

Chemical Substance	CAS No.	Results % (w/w)				
		(16)	(17)	(18)	(19)	(20)
Boric Acid Δ	10043-35-3, 11113-50-1	ND	ND	ND	ND	ND
Disodium Tetraborate, Anhydrous Δ	1330-43-4, 12179-04-3, 1303-96-4	ND	ND	ND	ND	ND
Tetraboron Disodium Heptaoxide, Hydrate Δ	12267-73-1	ND	ND	ND	ND	ND
Sodium Chromate Δ	7775-11-3	ND	ND	ND	ND	ND
Potassium Chromate Δ	7789-00-6	ND	ND	ND	ND	ND
Ammonium Dichromate Δ	7789-09-5	ND	ND	ND	ND	ND
Potassium Dichromate Δ	7778-50-9	ND	ND	ND	ND	ND
Trichloroethylene	79-01-6	ND	ND	ND	ND	ND

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**Test Report**

Number: GZHH00074172S1

Tests Conducted

Chemical Substance	CAS No.	Results % (w/w)				
		(21)	(22)	(23)	(24)	(25)
Boric Acid Δ	10043-35-3, 11113-50-1	ND	ND	ND	ND	ND
Disodium Tetraborate, Anhydrous Δ	1330-43-4, 12179-04-3, 1303-96-4	ND	ND	ND	ND	ND
Tetraboron Disodium Heptaoxide, Hydrate Δ	12267-73-1	ND	ND	ND	ND	ND
Sodium Chromate Δ	7775-11-3	ND	ND	ND	ND	ND
Potassium Chromate Δ	7789-00-6	ND	ND	ND	ND	ND
Ammonium Dichromate Δ	7789-09-5	ND	ND	ND	ND	ND
Potassium Dichromate Δ	7778-50-9	ND	ND	ND	ND	ND
Trichloroethylene	79-01-6	ND	ND	ND	ND	ND

(d) The Fourth List (8 SVHC Released in Dec, 2010)

Chemical Substance	CAS No.	Results % (w/w)				
		(1)	(2)	(3)	(4)	(5)
2-Methoxyethanol	109-86-4	ND	ND	ND	ND	ND
2-Ethoxyethanol	110-80-5	ND	ND	ND	ND	ND
Cobalt Sulphate Δ	10124-43-3	ND	ND	ND	ND	ND
Cobalt Dinitrate Δ	10141-05-6	ND	ND	ND	ND	ND
Cobalt Carbonate Δ	513-79-1	ND	ND	ND	ND	ND
Cobalt Diacetate Δ	71-48-7	ND	ND	ND	ND	ND
Chromium Trioxide Δ	1333-82-0	ND	ND	ND	ND	ND
Chromic Acid Δ Dichromic Acid Δ Oligomers of Chromic Acid and Dichromic Acid Δ	7738-94-5 13530-68-2 --	ND	ND	ND	ND	ND

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**Test Report**

Number: GZHH00074172S1

Tests Conducted

Chemical Substance	CAS No.	Results % (w/w)				
		(6)	(7)	(8)	(9)	(10)
2-Methoxyethanol	109-86-4	ND	ND	ND	ND	ND
2-Ethoxyethanol	110-80-5	ND	ND	ND	ND	ND
Cobalt Sulphate Δ	10124-43-3	ND	ND	ND	ND	ND
Cobalt Dinitrate Δ	10141-05-6	ND	ND	ND	ND	ND
Cobalt Carbonate Δ	513-79-1	ND	ND	ND	ND	ND
Cobalt Diacetate Δ	71-48-7	ND	ND	ND	ND	ND
Chromium Trioxide Δ	1333-82-0	ND	ND	ND	ND	ND
Chromic Acid Δ Dichromic Acid Δ Oligomers of Chromic Acid and Dichromic Acid Δ	7738-94-5 13530-68-2 --	ND	ND	ND	ND	ND

Chemical Substance	CAS No.	Results % (w/w)				
		(11)	(12)	(13)	(14)	(15)
2-Methoxyethanol	109-86-4	ND	ND	ND	ND	ND
2-Ethoxyethanol	110-80-5	ND	ND	ND	ND	ND
Cobalt Sulphate Δ	10124-43-3	ND	ND	ND	ND	ND
Cobalt Dinitrate Δ	10141-05-6	ND	ND	ND	ND	ND
Cobalt Carbonate Δ	513-79-1	ND	ND	ND	ND	ND
Cobalt Diacetate Δ	71-48-7	ND	ND	ND	ND	ND
Chromium Trioxide Δ	1333-82-0	ND	ND	ND	ND	ND
Chromic Acid Δ Dichromic Acid Δ Oligomers of Chromic Acid and Dichromic Acid Δ	7738-94-5 13530-68-2 --	ND	ND	ND	ND	ND

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**Test Report**

Number: GZHH00074172S1

Tests Conducted

Chemical Substance	CAS No.	Results % (w/w)				
		(16)	(17)	(18)	(19)	(20)
2-Methoxyethanol	109-86-4	ND	ND	ND	ND	ND
2-Ethoxyethanol	110-80-5	ND	ND	ND	ND	ND
Cobalt Sulphate Δ	10124-43-3	ND	ND	ND	ND	ND
Cobalt Dinitrate Δ	10141-05-6	ND	ND	ND	ND	ND
Cobalt Carbonate Δ	513-79-1	ND	ND	ND	ND	ND
Cobalt Diacetate Δ	71-48-7	ND	ND	ND	ND	ND
Chromium Trioxide Δ	1333-82-0	ND	ND	ND	ND	ND
Chromic Acid Δ Dichromic Acid Δ Oligomers of Chromic Acid and Dichromic Acid Δ	7738-94-5 13530-68-2 --	ND	ND	ND	ND	ND

Chemical Substance	CAS No.	Results % (w/w)				
		(21)	(22)	(23)	(24)	(25)
2-Methoxyethanol	109-86-4	ND	ND	ND	ND	ND
2-Ethoxyethanol	110-80-5	ND	ND	ND	ND	ND
Cobalt Sulphate Δ	10124-43-3	ND	ND	ND	ND	ND
Cobalt Dinitrate Δ	10141-05-6	ND	ND	ND	ND	ND
Cobalt Carbonate Δ	513-79-1	ND	ND	ND	ND	ND
Cobalt Diacetate Δ	71-48-7	ND	ND	ND	ND	ND
Chromium Trioxide Δ	1333-82-0	ND	ND	ND	ND	ND
Chromic Acid Δ Dichromic Acid Δ Oligomers of Chromic Acid and Dichromic Acid Δ	7738-94-5 13530-68-2 --	ND	ND	ND	ND	ND

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**Test Report**

Number: GZHH00074172S1

Tests Conducted

(e) The Fifth list (7 SVHC Released in Jun, 2011)

Chemical Substance	CAS No.	Results % (w/w)				
		(1)	(2)	(3)	(4)	(5)
Strontium Chromate $\Delta$	7789-06-2	ND	ND	ND	ND	ND
2-ethoxyethyl acetate (2-EEA)	111-15-9	ND	ND	ND	ND	ND
1,2-Benzenedicarboxylic acid, di-C <sub>7-11</sub> -branched and linear alkyl esters (DHNUP)	68515-42-4	ND	ND	ND	ND	ND
Hydrazine	7803-57-8 302-01-2	ND	ND	ND	ND	ND
1-methyl-2-pyrrolidone	872-50-4	ND	ND	ND	ND	ND
1,2,3-trichloropropane	96-18-4	ND	ND	ND	ND	ND
1,2-Benzenedicarboxylic acid, di-C <sub>6-8</sub> -branched alkyl esters, C <sub>7</sub> -rich (DIHP)	71888-89-6	ND	ND	ND	ND	ND

Chemical Substance	CAS No.	Results % (w/w)				
		(6)	(7)	(8)	(9)	(10)
Strontium Chromate $\Delta$	7789-06-2	ND	ND	ND	ND	ND
2-ethoxyethyl acetate (2-EEA)	111-15-9	ND	ND	ND	ND	ND
1,2-Benzenedicarboxylic acid, di-C <sub>7-11</sub> -branched and linear alkyl esters (DHNUP)	68515-42-4	ND	ND	ND	ND	ND
Hydrazine	7803-57-8 302-01-2	ND	ND	ND	ND	ND
1-methyl-2-pyrrolidone	872-50-4	ND	ND	ND	ND	ND
1,2,3-trichloropropane	96-18-4	ND	ND	ND	ND	ND
1,2-Benzenedicarboxylic acid, di-C <sub>6-8</sub> -branched alkyl esters, C <sub>7</sub> -rich (DIHP)	71888-89-6	ND	ND	ND	ND	ND

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**Test Report**

Number: GZHH00074172S1

Tests Conducted

Chemical Substance	CAS No.	Results % (w/w)				
		(11)	(12)	(13)	(14)	(15)
Strontium Chromate $\Delta$	7789-06-2	ND	ND	ND	ND	ND
2-ethoxyethyl acetate (2-EEA)	111-15-9	ND	ND	ND	ND	ND
1,2-Benzenedicarboxylic acid, di-C <sub>7-11</sub> -branched and linear alkyl esters (DHNUP)	68515-42-4	ND	ND	ND	ND	ND
Hydrazine	7803-57-8 302-01-2	ND	ND	ND	ND	ND
1-methyl-2-pyrrolidone	872-50-4	ND	ND	ND	ND	ND
1,2,3-trichloropropane	96-18-4	ND	ND	ND	ND	ND
1,2-Benzenedicarboxylic acid, di-C <sub>6,8</sub> -branched alkyl esters, C <sub>7</sub> -rich (DIHP)	71888-89-6	ND	ND	ND	ND	ND

Chemical Substance	CAS No.	Results % (w/w)				
		(16)	(17)	(18)	(19)	(20)
Strontium Chromate $\Delta$	7789-06-2	ND	ND	ND	ND	ND
2-ethoxyethyl acetate (2-EEA)	111-15-9	ND	ND	ND	ND	ND
1,2-Benzenedicarboxylic acid, di-C <sub>7-11</sub> -branched and linear alkyl esters (DHNUP)	68515-42-4	ND	ND	ND	ND	ND
Hydrazine	7803-57-8 302-01-2	ND	ND	ND	ND	ND
1-methyl-2-pyrrolidone	872-50-4	ND	ND	ND	ND	ND
1,2,3-trichloropropane	96-18-4	ND	ND	ND	ND	ND
1,2-Benzenedicarboxylic acid, di-C <sub>6,8</sub> -branched alkyl esters, C <sub>7</sub> -rich (DIHP)	71888-89-6	ND	ND	ND	ND	ND

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**Test Report**

Number: GZHH00074172S1

Tests Conducted

Chemical Substance	CAS No.	Results % (w/w)				
		(21)	(22)	(23)	(24)	(25)
Strontium Chromate $\Delta$	7789-06-2	ND	ND	ND	ND	ND
2-ethoxyethyl acetate (2-EEA)	111-15-9	ND	ND	ND	ND	ND
1,2-Benzenedicarboxylic acid, di-C <sub>7-11</sub> -branched and linear alkyl esters (DHNUP)	68515-42-4	ND	ND	ND	ND	ND
Hydrazine	7803-57-8 302-01-2	ND	ND	ND	ND	ND
1-methyl-2-pyrrolidone	872-50-4	ND	ND	ND	ND	ND
1,2,3-trichloropropane	96-18-4	ND	ND	ND	ND	ND
1,2-Benzenedicarboxylic acid, di-C <sub>6-8</sub> -branched alkyl esters, C <sub>7</sub> -rich (DIHP)	71888-89-6	ND	ND	ND	ND	ND

SVHC = Substance of very high concern  
 ND = Not detected (the result is less than the reporting limit)  
 $\Delta$  = Determination was based on elemental analysis. The concentration was calculated based on assumption of worst-case.  
 # = This type of SVHC may be present in one or more materials of submitted tested group. Further information from manufacturers is necessary to eliminate the possibility.  
 As applicant's requirement, materials were screened in composite testing and results were reported in proportion with the whole product weight.

(II) Testing Groups:

- (1) Plastic materials.
- (2) Plastic materials.
- (3) Plastic materials.
- (4) Plastic materials.
- (5) Glass & magnet materials.
- (6) Glass materials.
- (7) PCB & electronic parts materials.
- (8) Metal materials.
- (9) Metal materials.
- (10) Plastic materials.
- (11) Plastic materials.
- (12) Ceramic materials.
- (13) Metal materials.
- (14) Metal materials.
- (15) Plastic materials.
- (16) Plastic materials.
- (17) Plastic materials.
- (18) Plastic materials.
- (19) Foam & adhesive plastic tape materials.

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**Test Report**

Number: GZHH00074172S1

Tests Conducted

(II) Testing Groups:

- (20) Electronic parts materials.
- (21) PCB materials.
- (22) Glass & ceramic materials.
- (23) Battery.
- (24) Metal materials.
- (25) Metal materials.

Date sample received : May 26, 2011  
 Testing period : May 26, 2011 to Jul 19, 2011

(III) Testing Methods of SVHC

(a) The First List (15 SVHC Released in Oct, 2008)

<u>Chemical Substance</u>	<u>Testing Method</u>	<u>Reporting Limit</u>
Cobalt Dichloride	By microwave digestion and determined by ICP-OES, further combustion and IC confirmation when necessary	0.050%
Diarsenic Pentaoxide	By microwave digestion and determined by ICP-OES	0.050%
Diarsenic Trioxide		0.050%
Lead Hydrogen Arsenate		0.050%
Triethyl Arsenate		0.050%
Sodium Dichromate	By microwave digestion and determined by ICP-OES, further solvent extraction and UV-VIS confirmation when necessary	0.050%
Bis(Tributyltin) Oxide (TBTO)	By solvent extraction and determined by GC-MSD	0.050%
Anthracene		0.050%
4,4'-Diaminodiphenylmethane (MDA)		0.050%
Hexabromocyclododecane (HBCDD)		0.050%
5-Tert-Butyl-2,4,6-Trinitro-m-Xylene (Musk Xylene)		0.050%
Bis(2-Ethylhexyl) Phthalate (DEHP)		0.050%
Dibutyl Phthalate (DBP)		0.050%
Benzyl Butyl Phthalate (BBP)		0.050%
Short Chain Chlorinated Paraffins (C <sub>10-13</sub> )		0.050%

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**Test Report**

Number: GZHH00074172S1

Tests Conducted

(b) The Second List (15 SVHC Released in Jan, 2010 and Mar, 2010)

<u>Chemical Substance</u>	<u>Testing Method</u>	<u>Reporting Limit</u>
Aluminosilicate Refractory Ceramic Fibres	By microwave digestion and determined by ICP-OES	0.050%
Zirconia Aluminosilicate Refractory Ceramic Fibres		0.050%
Lead Chromate	By microwave digestion and determined by ICP-OES, further solvent extraction and UV-VIS confirmation when necessary	0.050%
Lead Chromate Molybdate Sulphate Red (C.I. Pigment Red 104)		0.050%
Lead Sulfochromate Yellow (C.I. Pigment Yellow 34)		0.050%
Tris (2-Chloroethyl) Phosphate	By solvent extraction and determined by GC-MSD	0.050%
2,4-Dinitrotoluene		0.050%
Diisobutyl Phthalate (DIBP)		0.050%
Coal Tar Pitch, High Temperature		0.050%
Anthracene Oil		0.050%
Anthracene Oil, Anthracene Paste, Distn. Lights		0.050%
Anthracene Oil, Anthracene Paste, Anthracene Fraction		0.050%
Anthracene Oil, Anthracene-low		0.050%
Anthracene Oil, Anthracene paste		0.050%
Acrylamide		0.050%

(c) The Third List (8 SVHC Released in Jun, 2010)

<u>Chemical Substance</u>	<u>Testing Method</u>	<u>Reporting Limit</u>
Boric Acid	By microwave digestion and determined by ICP-OES	0.050%
Disodium Tetraborate, Anhydrous		0.050%
Tetraboron Disodium Heptaoxide, Hydrate		0.050%
Sodium Chromate	By microwave digestion and determined by ICP-OES, further solvent extraction and UV-VIS confirmation when necessary	0.050%
Potassium Chromate		0.050%
Ammonium Dichromate		0.050%
Potassium Dichromate		0.050%
Trichloroethylene	By solvent extraction and determined by GC-MSD	0.050%

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**Test Report**

Number: GZHH00074172S1

Tests Conducted

(d) The Fourth List (8 SVHC Released in Dec, 2010)

Chemical Substance	Testing Method	Reporting Limit
2-Methoxyethanol	By solvent extraction and determined by GC-MSD	0.050%
2-Ethoxyethanol		0.050%
Cobalt Sulphate	By microwave digestion and determined by ICP-OES	0.050%
Cobalt Dinitrate		0.050%
Cobalt Carbonate		0.050%
Cobalt Diacetate		0.050%
Chromium Trioxide	By microwave digestion and determined by ICP-OES, further solvent extraction and UV-VIS confirmation when necessary	0.050%
Chromic Acid		0.050%
Dichromic Acid		
Oligomers Of Chromic Acid And Dichromic Acid		

(e) The Fifth list (7 SVHC Released in Jun, 2011)

Chemical Substance	Testing Method	Reporting Limit
Strontium Chromate	By microwave digestion and determined by ICP-OES, further solvent extraction and UV-VIS confirmation when necessary	0.050%
2-ethoxyethyl acetate (2-EEA)	By solvent extraction and determined by GC-MSD	0.050%
1,2-Benzenedicarboxylic acid, di-C <sub>7-11</sub> -branched and linear alkyl esters (DHNUP)		0.050%
Hydrazine		0.050%
1-methyl-2-pyrrolidone		0.050%
1,2,3-trichloropropane		0.050%
1,2-Benzenedicarboxylic acid, di-C <sub>6-8</sub> -branched alkyl esters, C <sub>7</sub> -rich (DIHP)		0.050%

Reporting limit = Quantitation limit of analyte in sample

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**Test Report**

Number: GZHH00074172S1

Tests Conducted

Notes:

1. Substances of very high concern (SVHC) are classified as:
  - a. Carcinogenic, mutagenic or toxic to reproduction category 1 (proven on humans) and category 2 (proven on animals)
  - b. Persistent, bioaccumulative and toxic chemicals (PBT)
  - c. Very persistent and very bioaccumulative chemicals (vPvB)
  - d. Other similar substances such as endocrine disrupters
  
2. If the imported or manufactured volume of each individual SVHC in article is more than 0.1% (w/w) and if it exceeds 1 tonne per year across all product ranges, then importer or manufacturer require notification to the European Chemical Agency (ECHA). Notification should be done by June 2011, which is 4 years after REACH has been implemented. The following information has to be submitted for notification:
  - a. Identification of the registrant and the substance
  - b. Classification and labelling of the substance
  - c. Description of use of the substance and the article
  - d. Registration number, if available
  - e. Tonnage range
  
3. As per article 33(1) of regulation (EC) No. 1907/2006 (REACH), recipients of product must be provided with information of safe use if any of the tested substances (SVHC) exceeded 0.1% (w/w). A product meets the requirement of article 33(1) by default when no SVHC exceeds 0.1% (w/w).
  
4. As per article 31 of regulation (EC) No. 1907/2006 (REACH), suppliers of preparations not classified as dangerous according to directive 1999/45/EC have to provide the recipients, at their request, with a MSDS if the preparations contain at least one substance on the SVHC candidate list and its individual concentration is 0.1%(w/w) or above for non-gaseous preparations.

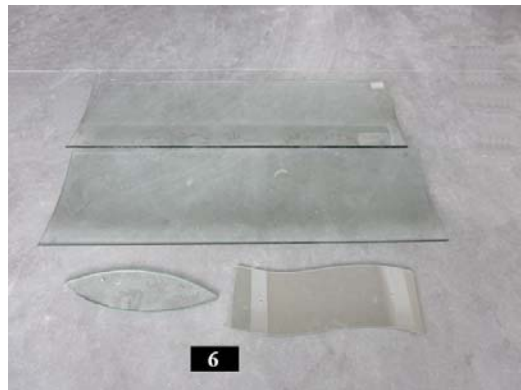
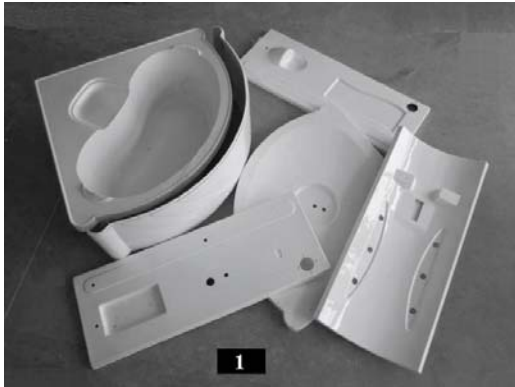
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## Test Report

Number: GZHH00074172S1

### Tests Conducted



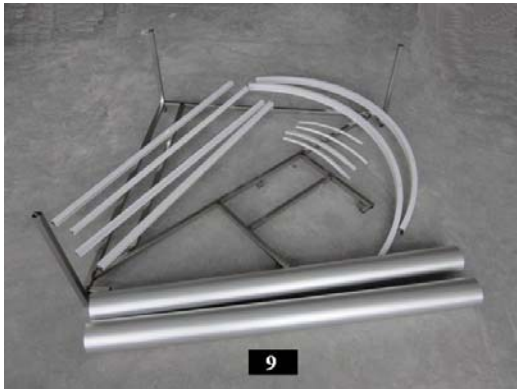
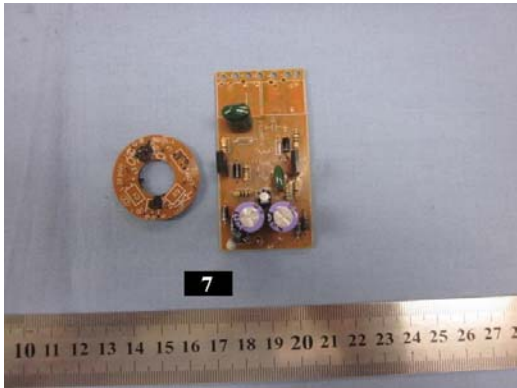
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## Test Report

Number: GZHH00074172S1

### Tests Conducted



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## Test Report

Number: GZHH00074172S1

### Tests Conducted

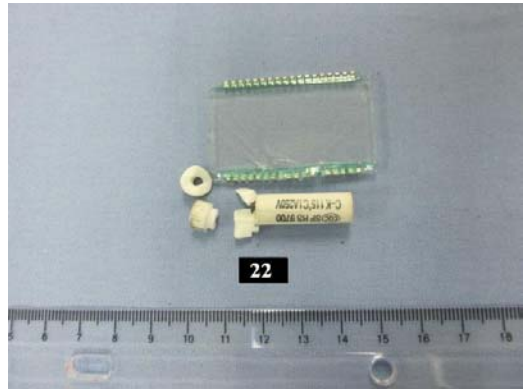
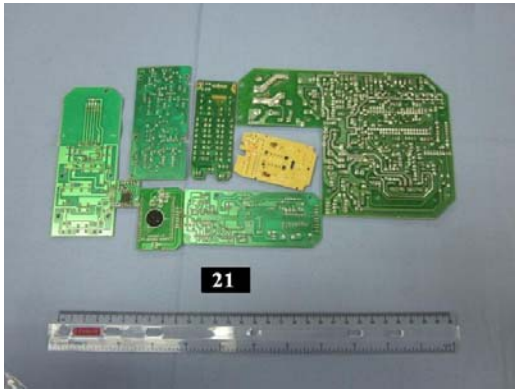


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## Test Report

Number: GZHH00074172S1

### Tests Conducted



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**Test Report**

Number: GZHH00074172S1

Tests Conducted



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**Test Report**

Number: GZHH00074172S1

Tests Conducted

Appendix

Reference No. : M-8208 / M-8209 / M-8210 / M-8211 / M-8212 / M-8213 / M-8214 / M-8215 / M-8216 /  
M-8217 / M-8218M-8219 / M-8220 / M-8221 / M-8222 / M-8223 / M-8224 / M-8225 /  
M-8226 / M-8227 / M-8228 / M-8229 / M-8230 / M-8231 / M-8232 / M-8233 / M-8234 /  
M-8235 / M-8236 / M-8237 / M-8238 / M-8239 / M-8250 / M-8251 / M-8252 / M-8253 /  
M-8254 / M-8255 / M-8256 / M-8256B / M-8257 / M-8258 / M-8259 / M-8260 / M-8261 /  
M-8262 / M-8263 / M-8264 / M-8265 / M-8266 / M-8267 / M-8268 / M-8269 / M-8270 /  
M-8271 / M-8272 / M-8273 / M-8274 / M-8275 / M-8276 / M-8277 / M-8278 / M-8279 /  
M-8280 / M-8281 / M-8282 / M-8283 / M-8284 / M-8285 / M-8286 / M-8287 / M-8288 /  
M-8289 / M-8290 / M-8291 / M-8292 / M-8293 / M-8294 / M-8295 / M-8296 / M-8297 /  
M-8298 / M-8299 / 2G / 2B / 4B / 6B / 8B / 10B / 12B / 14B / 16B / 18B / 4D / 6D / 8D /  
10D / 12D / 14D / 16D / 18D / 6A / 8A / 10A / 12A / 14A / 16A / 18A

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End of report

To: GUANGZHOU MONALISA BUILDING MATERIALS CO.,LTD Ref: FC-110(0904)  
Attention: LISA LI Date: Aug 18, 2011

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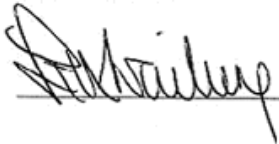
Re : Report Revision Notification

Intertek Testing Services Report Number GZHH00074172 Dated Jul 25, 2011

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now supersede by a revised Intertek Testing Services Report, GZHH00074172S1.

Thank you for your attention.

Authorized by:  
For Intertek Testing Services  
Guangzhou Ltd. Science City Branch



Ben N.L. Lin  
General Manager