

Test Report

No. CANEC1208509605

Date: 04 Jul 2012

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JIEYANG SHUNCHENGFA MICROMOTOR CO.,LTD

INDUSTRIAL PARK PENLIN VILLAGE RONGDONG RONGCHENG DISTRICT JIEYANG CITY GUANGDONG
PROVINCE
CHINA

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

SGS Job No. : CP12-030837 - GZ
Date of Sample Received : 28 Jun 2012
Testing Period : 28 Jun 2012 - 03 Jul 2012
Test Requested : Selected test(s) as requested by client.
Test Method : Please refer to next page(s).
Test Results : Please refer to next page(s).

Signed for and on behalf of
SGS-CSTC Ltd.



Trophy Zhang
Approved Signatory

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Test Results :

Test Part Description :

| Specimen No. | SGS Sample ID | Description |
|--------------|------------------|-----------------------------------|
| 1 | CAN12-085096.006 | White plastic(a)+white plastic(b) |

Remarks :

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

Elementary Analysis & Flame Retardants

Test Method : (5) Determination of PBBs / PBDEs content by GC-MS.
With reference to IEC 62321:2008

- (1) Determination of Cadmium by ICP-OES.
- (2) Determination of Lead by ICP-OES.
- (3) Determination of Mercury by ICP-OES.
- (4) Determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.

| Test Item(s) | Limit | Unit | MDL | 006 |
|----------------------------|-------|-------|-----|-----|
| Cadmium (Cd) | 100 | mg/kg | 2 | ND |
| Lead (Pb) | 1,000 | mg/kg | 2 | ND |
| Mercury (Hg) | 1,000 | mg/kg | 2 | ND |
| Hexavalent Chromium (CrVI) | 1,000 | mg/kg | 2 | ND |
| Sum of PBBs | 1,000 | mg/kg | - | ND |
| Monobromobiphenyl | - | mg/kg | 5 | ND |
| Dibromobiphenyl | - | mg/kg | 5 | ND |
| Tribromobiphenyl | - | mg/kg | 5 | ND |
| Tetrabromobiphenyl | - | mg/kg | 5 | ND |
| Pentabromobiphenyl | - | mg/kg | 5 | ND |
| Hexabromobiphenyl | - | mg/kg | 5 | ND |
| Heptabromobiphenyl | - | mg/kg | 5 | ND |
| Octabromobiphenyl | - | mg/kg | 5 | ND |
| Nonabromobiphenyl | - | mg/kg | 5 | ND |
| Decabromobiphenyl | - | mg/kg | 5 | ND |
| Sum of PBDEs | 1,000 | mg/kg | - | ND |
| Monobromodiphenyl ether | - | mg/kg | 5 | ND |

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| <u>Test Item(s)</u> | <u>Limit</u> | <u>Unit</u> | <u>MDL</u> | <u>006</u> |
|--------------------------|--------------|-------------|------------|------------|
| Dibromodiphenyl ether | - | mg/kg | 5 | ND |
| Tribromodiphenyl ether | - | mg/kg | 5 | ND |
| Tetrabromodiphenyl ether | - | mg/kg | 5 | ND |
| Pentabromodiphenyl ether | - | mg/kg | 5 | ND |
| Hexabromodiphenyl ether | - | mg/kg | 5 | ND |
| Heptabromodiphenyl ether | - | mg/kg | 5 | ND |
| Octabromodiphenyl ether | - | mg/kg | 5 | ND |
| Nonabromodiphenyl ether | - | mg/kg | 5 | ND |
| Decabromodiphenyl ether | - | mg/kg | 5 | ND |

Notes :

- (1) The maximum permissible limit is quoted from the directive 2011/65/EU, Annex II

Phthalate

Test Method : With reference to EN14372: 2004. Analysis was performed by GC-MS.

| <u>Test Item(s)</u> | <u>Unit</u> | <u>MDL</u> | <u>006</u> |
|-------------------------------------|-------------|------------|------------|
| Dibutyl Phthalate (DBP) | % (w/w) | 0.003 | ND |
| Benzylbutyl Phthalate (BBP) | % (w/w) | 0.003 | ND |
| Bis-(2-ethylhexyl) Phthalate (DEHP) | % (w/w) | 0.003 | 0.018 |
| Diisononyl Phthalate (DINP) | % (w/w) | 0.010 | ND |
| Di-n-octyl Phthalate (DNOP) | % (w/w) | 0.003 | ND |
| Diisodecyl Phthalate (DIDP) | % (w/w) | 0.010 | ND |
| Dimethyl Phthalate (DMP) | % (w/w) | 0.003 | ND |
| Diethyl Phthalate (DEP) | % (w/w) | 0.003 | ND |
| Diisobutyl Phthalate (DIBP) | % (w/w) | 0.003 | ND |
| Dinonyl Phthalate (DNP) | % (w/w) | 0.003 | ND |
| Diisooctyl Phthalate (DIOP) | % (w/w) | 0.010 | ND |
| Dipropyl Phthalate (DPrP) | % (w/w) | 0.003 | ND |
| Dicyclohexyl Phthalate (DCHP) | % (w/w) | 0.003 | ND |
| Dipentyl Phthalate (DPP) | % (w/w) | 0.003 | ND |
| Dibenzyl Phthalate (DBzP) | % (w/w) | 0.003 | ND |
| Diphenyl Phthalate (DPhP) | % (w/w) | 0.003 | ND |
| Di-n-hexyl Phthalate (DnHP) | % (w/w) | 0.003 | ND |

Notes :

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- (1)DBP,BBP,DEHP Reference information: Entry 51 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC):
- i) Shall not be used as substances or in mixtures, in concentrations greater than 0.1 % by weight of the plasticised material, in toys and childcare articles.
 - ii) Toys and childcare articles containing these phthalates in a concentration greater than 0.1 % by weight of the plasticised material shall not be placed on the market.
- Please refer to Regulation (EC) No 552/2009 to get more detail information
- DINP, DNOP, DIDP Reference information: Entry 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC).
- i) Shall not be used as substances or in mixtures, in concentrations greater than 0.1 % by weight of the plasticised material, in toys and childcare articles which can be placed in the mouth by children.
 - ii) Such toys and childcare articles containing these phthalates in a concentration greater than 0.1 % by weight of the plasticised material shall not be placed on the market.
- Please refer to Regulation (EC) No 552/2009 to get more detail information

Remark1: Results shown are of the total weight of mixed samples.

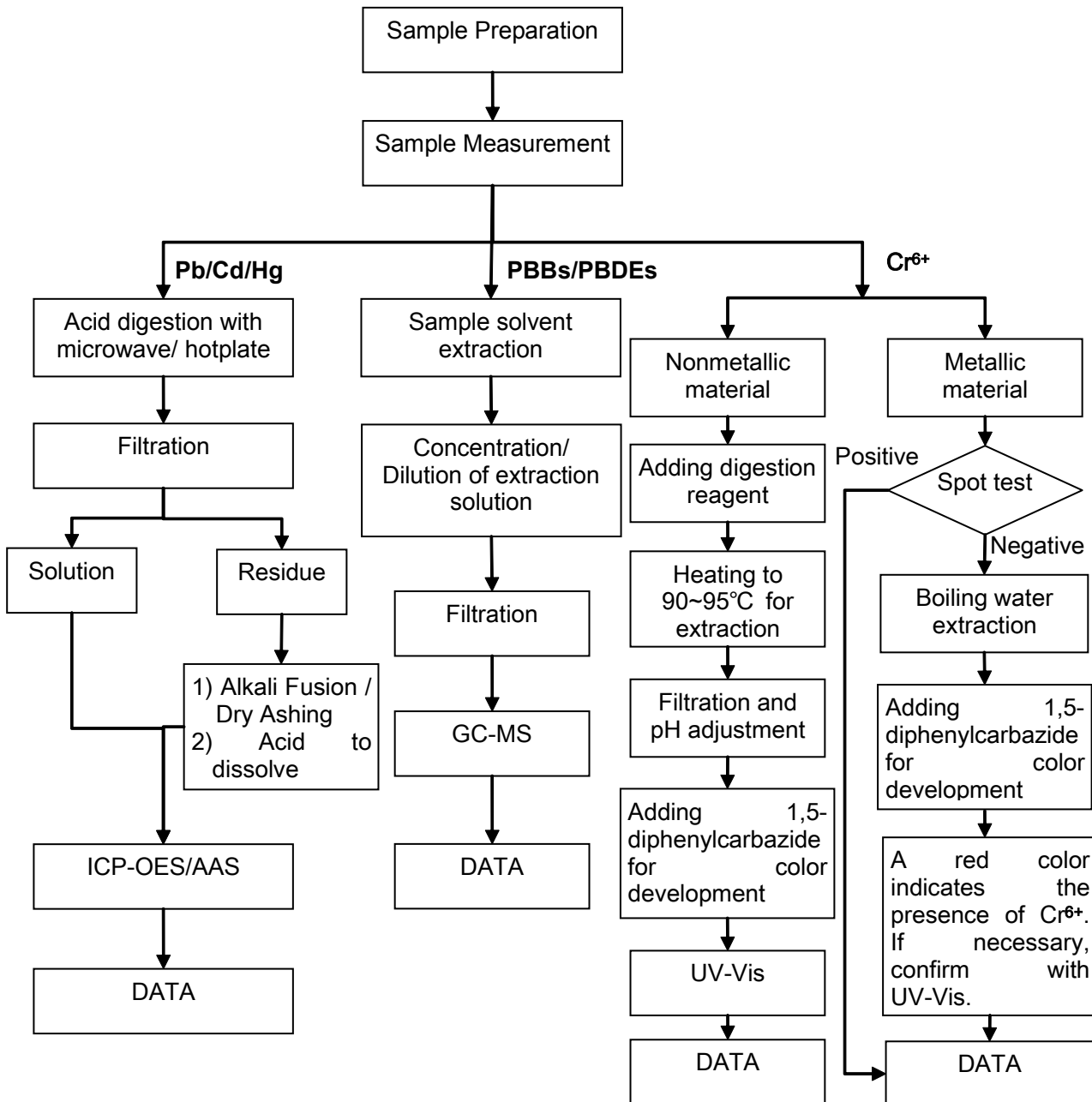
Remark2: The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value and only for reference.

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ATTACHMENTS

RoHS Testing Flow Chart

- 1) Name of the person who made testing: Bella Wang / Cutey Yu
- 2) Name of the person in charge of testing: Adams Yu / Ryan Yang
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart (Cr⁶⁺ and PBBs/PBDEs test method excluded).

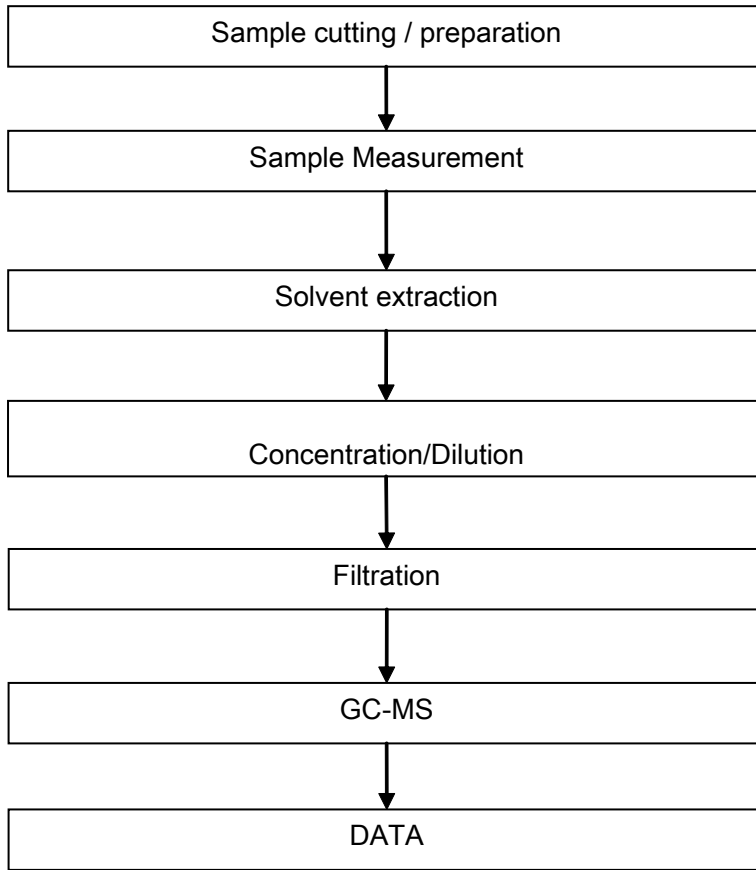


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ATTACHMENTS

Phthalates Testing Flow Chart

- 1) Name of the person who made testing: Tina Zhao
- 2) Name of the person in charge of testing: Ryan Yang



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Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

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