



Test Report

No.: CANEC1208509604

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 by/on behalf of the client as: plastic cover-PA66

SGS Job No. : CP12-030837-GZ
Date of Sample Received : 28 Jun 2012
Testing Period : 28 Jun 2012 – 03 Jul 2012
Test Requested: : A: As specified by client, selected parts of the submitted sample(s) for compliance with Public Law 110-314 (Consumer Product Safety Improvement Act of 2008, CPSIA):-
1) Lead in accessible substrate materials
2) Phthalates
B: Selected test (s) as requested by client.
Test Method: : Please refer to next page(s)
Test Results: : Please refer to next page(s)

Result Summary :A:

Item	Test Parameter	Conclusion
1	CPSIA section 101(a)(2) - Lead in accessible substrate materials (including Children's Metal Jewelry)	PASS
2	CPSIA section 108 - Phthalates	PASS

Signed for and on behalf of
SGS-CSTC Ltd.

Jenny Jiang
Approved Signatory

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Test Results:

Test Part Description:

Specimen No.	SGS Sample ID	Description
1	CAN12-085096.004	Beige plastic(a)+beige plastic(b)+black plastic(c)+beige plastic(d)
2	CAN12-085096.005	Beige plastic

Remarks:

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

A:

CPSIA section 101(a)(2) - Lead in accessible substrate materials (including Children's Metal Jewelry)

Test Method (non-metallic materials): CPSC Test Method: CPSC-CH-E1002-08.1 'Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal Children Product'

Test item	Permissible Limit**	Unit	MDL	005
Lead (Pb)	0.01	%	0.002	ND
Comment	---			Pass

** Limit applies to a children's product manufactured after 14 August 2011 (Public Law 112-28 (HR 2715, 112th Congress) amending CPSIA)

CPSIA section 108 - Phthalates

Method: With reference to-CPSC-CH-C1001-09.3. Analysis was performed by GC-MS.

Concentration of phthalates in components of toy product

Test item(s)	Permissible Limit per component	Unit	MDL	005
Dibutyl Phthalate(DBP)	0.1	%	0.003	ND
Benzylbutyl Phthalate(BBP)	0.1	%	0.003	ND
Bis-(2-ethylhexyl) Phthalate(DEHP)	0.1	%	0.003	ND
Comment	---			Pass

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Concentration of phthalates in components of toy that can be placed in the mouth or childcare article

<u>Test item(s)</u>	<u>Permissible Limit</u> <u>per component</u>	<u>Unit</u>	<u>MDL</u>	<u>005</u>
Diisononyl Phthalate(DINP)	0.1	%	0.010	ND
Di-n-octyl Phthalate(DNOP)	0.1	%	0.003	ND
Diisodecyl Phthalate(DIDP)	0.1	%	0.010	ND
Comment	---			Pass

B: Elementary Analysis & Flame Retardants

Test Method: 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.
- (5) Determination of PBBs and PBDEs by GC-MS.

<u>Test Item(s):</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>004</u>
Cadmium(Cd)	100	mg/kg	2	ND
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1000	mg/kg	2	ND
Sum of PBBs	1000	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	1000	mg/kg	-	ND
Monobromodiphenyl ether	-	mg/kg	5	ND
Dibromodiphenyl ether	-	mg/kg	5	ND

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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 directive 2011/65/EU, Annex II

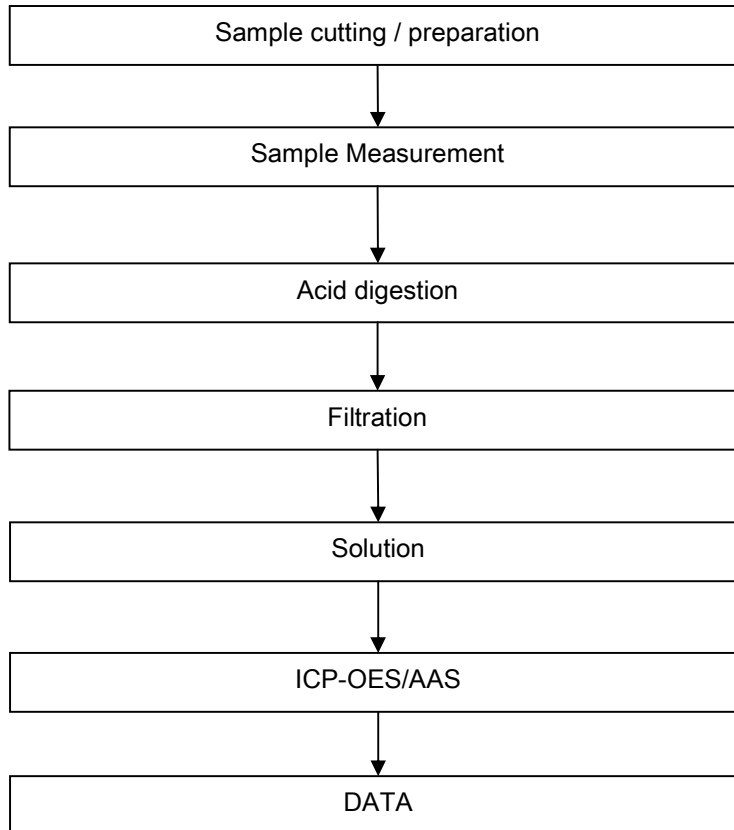
Remark: The 004 was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value and only for reference.

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ATTACHMENTS

CPSIA Pb Testing Flow Chart

- 1) Name of the person who made testing: Bella Wang
- 2) Name of the person in charge of testing: Adams Yu

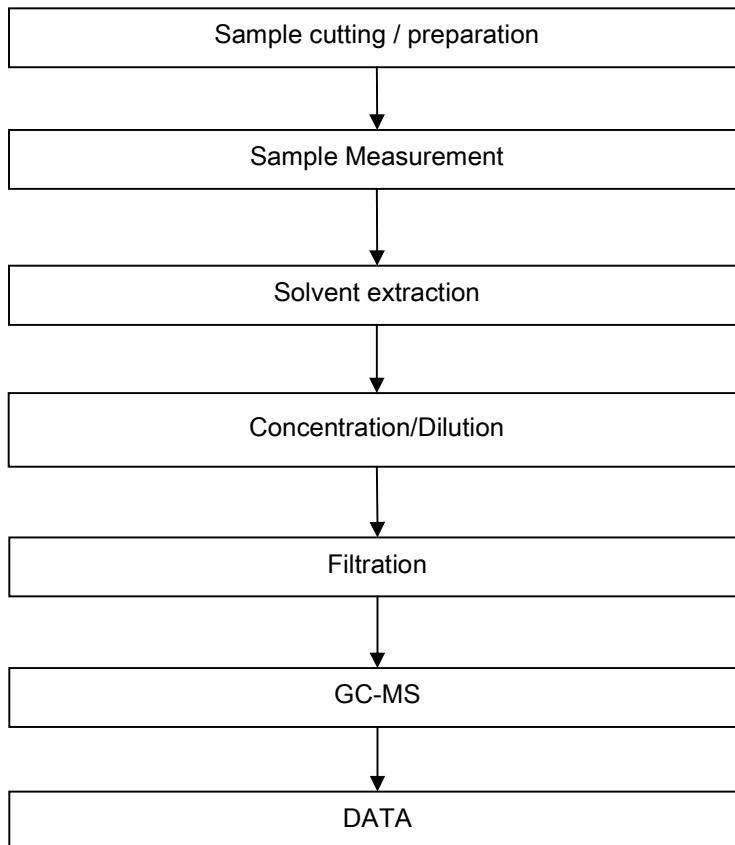


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ATTACHMENTS

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

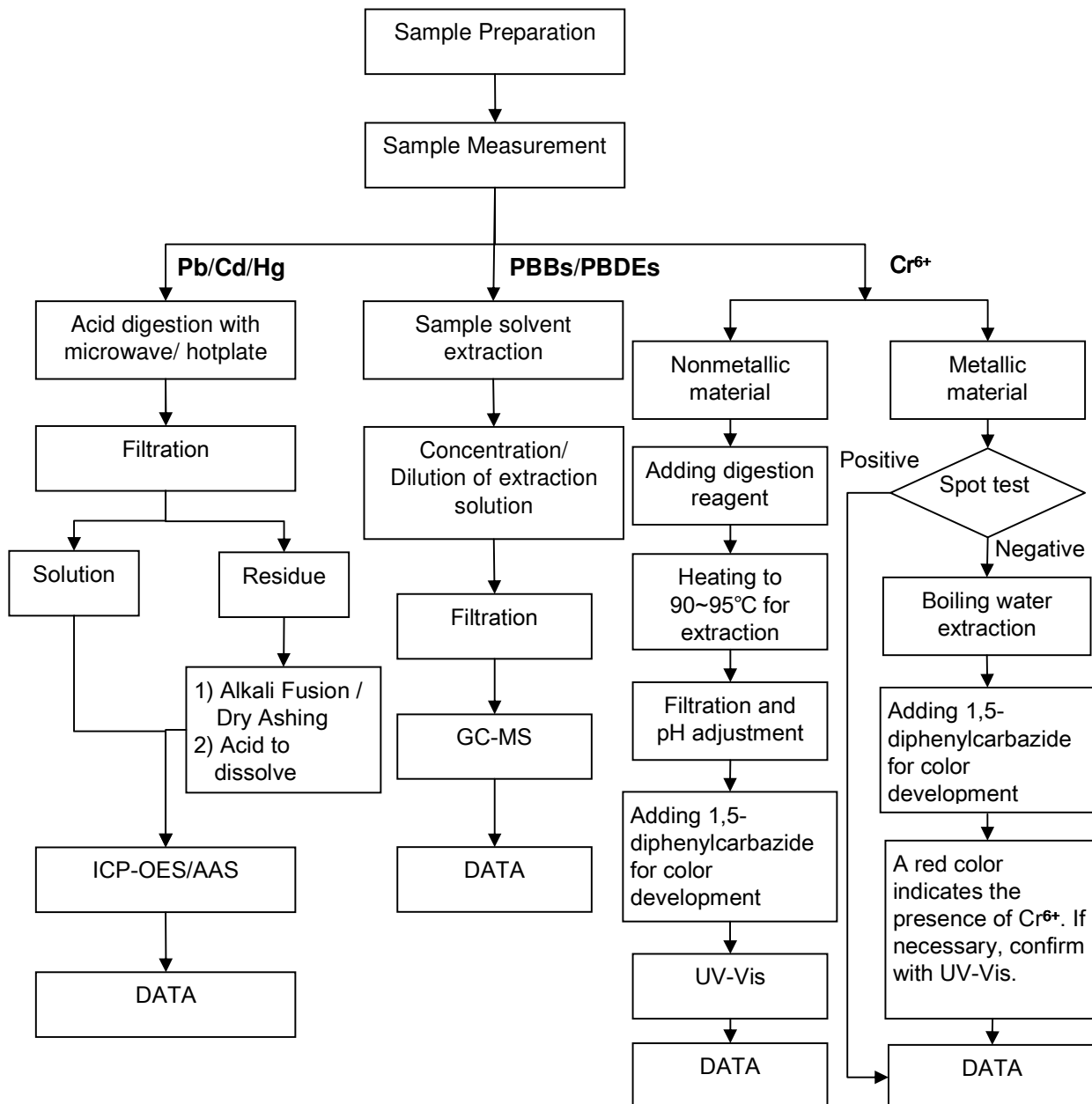


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ATTACHMENTS

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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Sample photo :



SGS authenticate the photo on original report only

*** End of Report ***

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