



Test Report

No. CANEC1500258801

Date: 14 Jan 2015

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SHENZHEN BAO SHIDA PLASTIC PRODUCTS CO., LTD.

NO.3 JIANG BIAN INDUSTRY PARK CENTRE ROAD, SONGGANG TOWN, BAOAN DISTRICT, SHENZHEN CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as: PA6T ARLEN E430

SGS Job No. : CP15-000376 - SZ

Date of Sample Received : 07 Jan 2015

Testing Period : 07 Jan 2015 - 13 Jan 2015

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).

Conclusion : Based on the performed tests on submitted samples, the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE) comply with the limits as set by RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC.

Signed for and on behalf of
SGS-CSTC Ltd.

Yan

Yan Lee

Approved Signatory

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100 Huanan Road, Qianhai Free Trade Zone, Qianhai Economic & Technology Development District, Qianhai, Shenzhen, China 518000
中国·广州·经济技术开发区科学城科城路130号 邮编: 510003

TEL: (86-20) 82155555 FAX: (86-20) 82075110
TEL: (86-20) 82155555 FAX: (86-20) 82075110

www.cn.sgs.com
sgs.china@sgs.com

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN14-002588.001	Black plastic grains

Remarks :

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

RoHS Directive 2011/65/EU.

- Test Method :
- (1) With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES.
 - (2) With reference to IEC 62321-5:2013, determination of Lead by ICP-OES.
 - (3) With reference to IEC 62321-4:2013, determination of Mercury by ICP-OES.
 - (4) With reference to IEC 62321:2008, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.
 - (5) With reference to IEC 62321:2008, determination of PBBs and PBDEs by GC-MS.

Test Item(s)	Limit	Unit	MDL	001.
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>001.</u>
Di bromodi phenyl ether	-	mg/kg	5	ND
Tri bromodi phenyl ether	-	mg/kg	5	ND
Tetrabromodi phenyl ether	-	mg/kg	5	ND
Pentabromodi phenyl ether	-	mg/kg	5	ND
Hexabromodi phenyl ether	-	mg/kg	5	ND
Heptabromodi phenyl ether	-	mg/kg	5	ND
Octabromodi phenyl ether	-	mg/kg	5	ND
Nonabromodi phenyl ether	-	mg/kg	5	ND
Decabromodi phenyl ether	-	mg/kg	5	ND

Notes :

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

Hexabromocyclododecane (HBCDD).

Test Method : Determination of HBCDD by GC-MS based on IEC 62321:2008.

<u>Test Item(s).</u>	<u>Unit.</u>	<u>MDL.</u>	<u>001.</u>
Hexabromocyclododecane (HBCDD)	mg/kg	10	ND

Notes :

(1) Reference Information: Directive 2011/65/EU recasting RoHS directive 2002/95/EC:
Hexabromocyclododecane (HBCDD) is considered as a priority for risk evaluation and substance restriction.

Phthalate.

Test Method : Determination of phthalates by GC-MS based on EN 14372:2004.

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Unit.</u>	<u>MDL.</u>	<u>001.</u>
Di butyl Phthalate (DBP)	84-74-2	% (W / W)	0.003	ND
Benzyl butyl Phthalate (BBP)	85-68-7	% (W / W)	0.003	ND
Bi s-(2-ethyl hexyl) Phthalate (DEHP)	117-81-7	% (W / W)	0.003	ND

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Notes :

- (1) Reference Information: Directive 2011/65/EU recasting RoHS directive 2002/95/EC:
Bis (2-ethyl hexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP) and Di butyl phthalate (DBP) are considered as a priority for risk evaluation and substance restriction.

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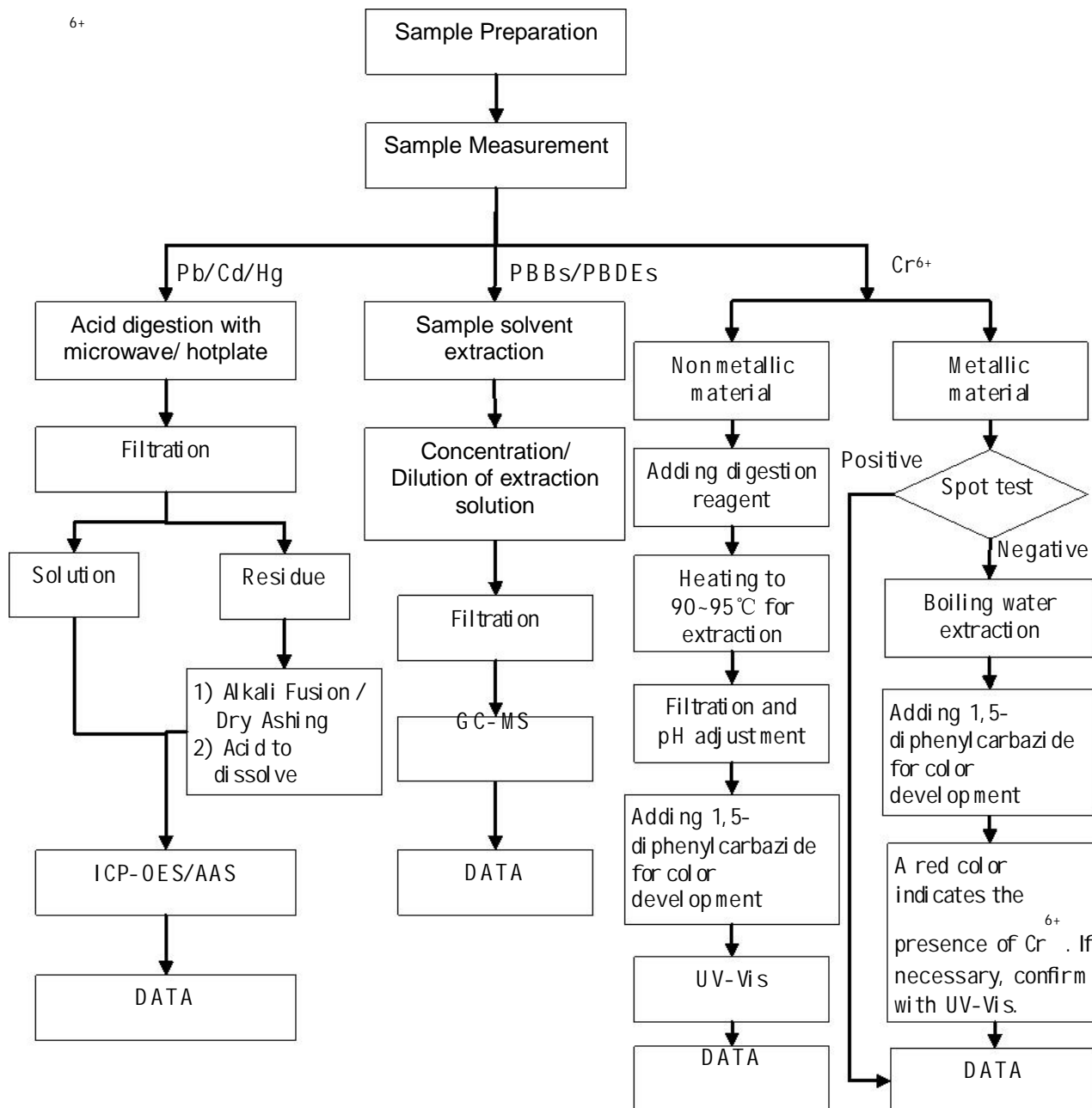


ATTACHMENTS

RoHS Testing Flow Chart

- 1) Name of the person who made testing: Michael Tso / Cutey Yu
- 2) Name of the person in charge of testing: Adams Yu / Yolda Wei
- 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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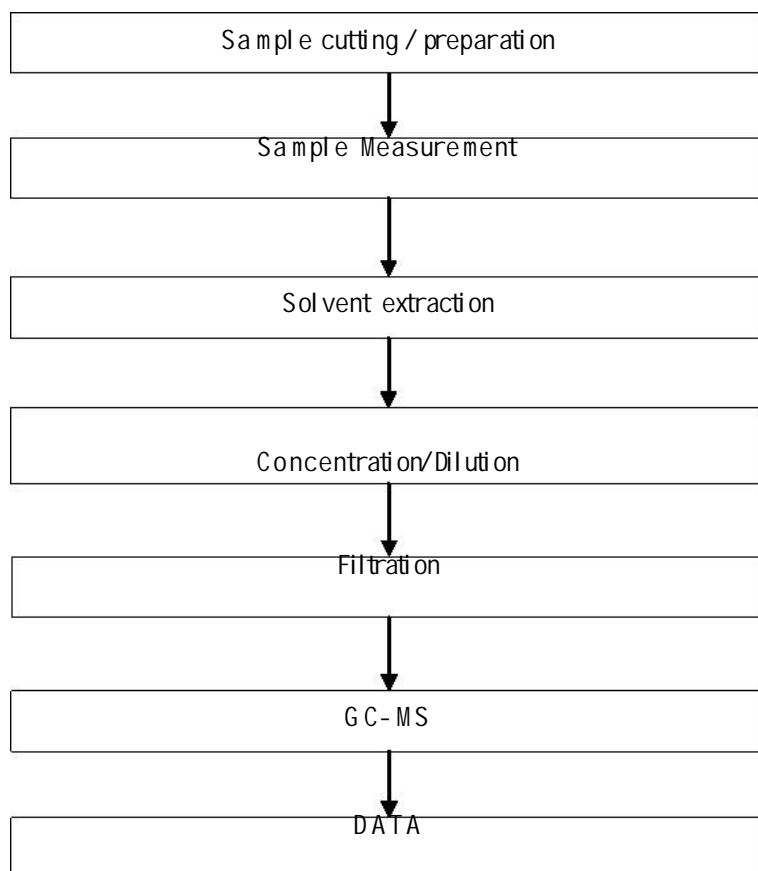
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ATTACHMENTS

HBCDD Testing Flow Chart

- 1) Name of the person who made testing: Cutey Yu
- 2) Name of the person in charge of testing: Yolanda Wei



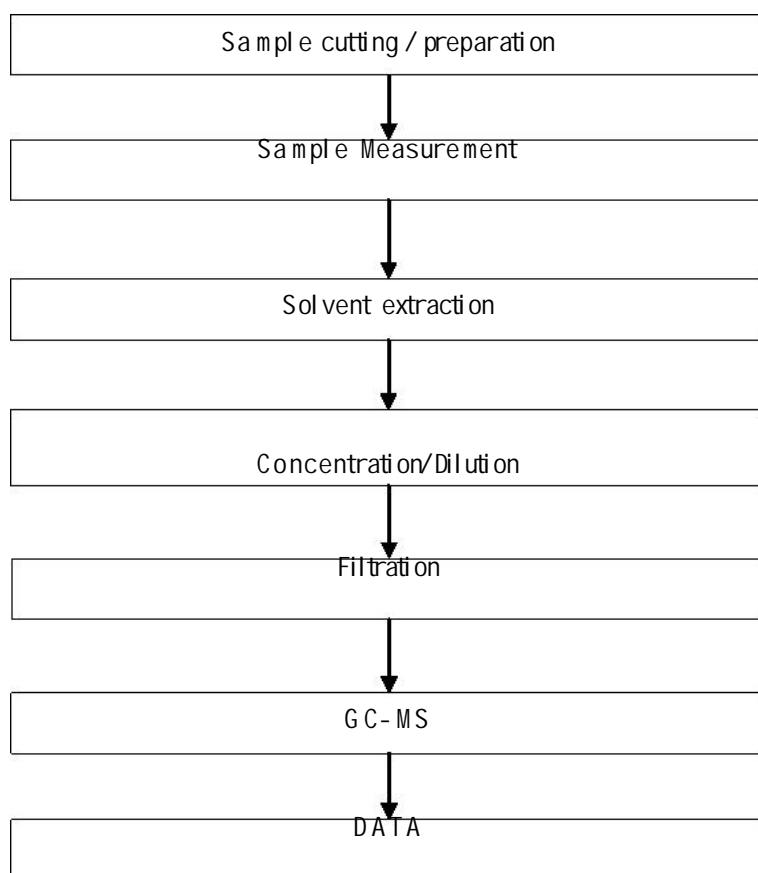
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ATTACHMENTS

Phthalates Testing Flow Chart

- 1) Name of the person who made testing: Liu Qi ong
- 2) Name of the person in charge of testing: Yolanda Wei



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Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

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