

No. CANEC1500258801

Date: 14 Jan 2015

Page 1 of 8

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 dients 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 dient.

Test Method: PI ease refer to next page(s).

Test Results: PI ease 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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No. CANEC1500258801

Date: 14 Jan 2015

Page 2 of 8

Test Results:

# Test Part Description:

SGS SampleID

Description

Specimen No.

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-0ES.
- (2) With reference to IEC 62321-5: 2013, determination of Lead by ICP-0ES.
- (3) With reference to IEC 62321-4: 2013, determination of Mercury by ICP-0ES.
- (4) With reference to LEC 62321: 2008, determination of Hexaval ent Chromium by Colori metric Method using UV-Vis.
- (5) With reference to IEC 62321: 2008, determination of PBBs and PBDEs by GC-MS.

Test Item(s)	<u>Li mit</u>	<u>Unit</u>	<u>M D L</u>	001.
Cadmium (Cd)	100	mg/kg	2	N D
Lead (Pb)	1,000	mg/kg	2	N D
Mercury (Hg)	1,000	mg/kg	2	N D
Hexavalent Chromium (CrVI)	1,000	mg/kg	2	N D
Sum of PBBs	1,000	mg/kg	-	N D
Monobromobiphenyl	-	mg/kg	5	N D
Di bromobi phenyl	-	mg/kg	5	N D
Tribromobiphenyl	-	mg/kg	5	N D
Tetrabromobiphenyl	-	mg/kg	5	N D
Pentabromobiphenyl	-	mg/kg	5	N D
Hexabromobiphenyl	-	mg/kg	5	N D
Heptabromobiphenyl	-	mg/kg	5	N D
Octabromobiphenyl	-	mg/kg	5	N D
Nonabromobiphenyl	-	mg/kg	5	N D
Decabromobiphenyl	-	mg/kg	5	N D
Sum of PBDEs	1,000	mg/kg	-	N D
Monobromodiphenyl ether	-	mg/kg	5	N D

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Test Report	No. CANEC15002588	301	Date: 1	14 Jan 2015	Page 3 of 8
Test Item(s).	<u>Li mit</u>	<u>Unit.</u>	MDL.	001.	
Di bromodi phenyl ether	-	mg/kg	5	N D	
Tri bromodi phenylether	-	mg/kg	5	N D	
Tetrabromodiphenylether	-	mg/kg	5	N D	
Pentabromodiphenyl ether	-	mg/kg	5	N D	
Hexabromodiphenyl ether	-	mg/kg	5	N D	
Heptabromodiphenyl ether	-	mg/kg	5	N D	
Octabromodiphenyl ether	-	mg/kg	5	N D	
Nonabromodiphenyl ether	-	mg/kg	5	N D	
Decabromodiphenyl ether	-	mg/kg	5	N D	

#### 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.

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

## 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.

### Phthal ate.

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

Test Item(s)	CAS NO.	<u>Unit.</u>	MDL.	<u>001.</u>
Di butyl Phthal ate (DBP)	84-74-2	% ( W/W)	0.003	N D
Benzyl butyl Phthal ate (BBP)	85-68-7	% ( W/W)	0.003	N D
Bi s-(2-ethyl hexyl) Phthal ate (DE HP)	117-81-7	% ( W/W)	0.003	N D

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No. CANEC1500258801

Date: 14 Jan 2015

Page 4 of 8

#### 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 Dibutyl phthalate (DBP) are considered as a priority for risk evaluation and substance restriction.

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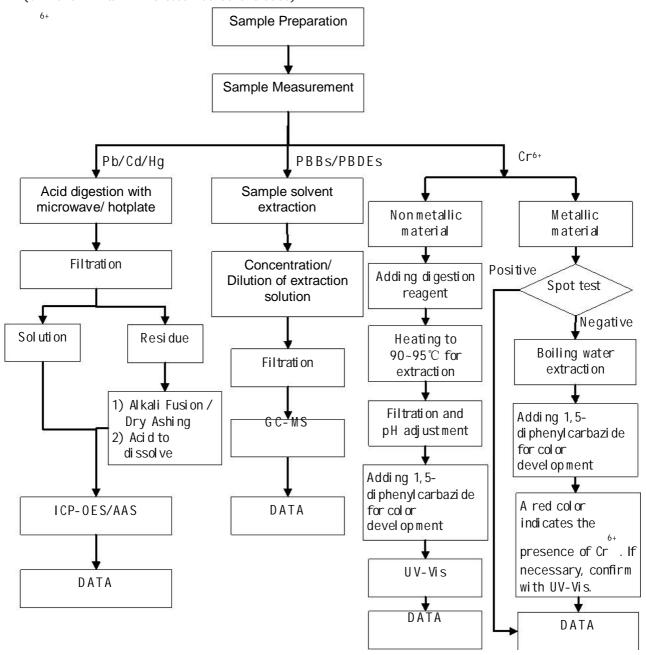
Date: 14 Jan 2015

Page 5 of 8

## 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 / Yol anda Wei
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart (Cr and PBBs/PBDEs test method excluded).



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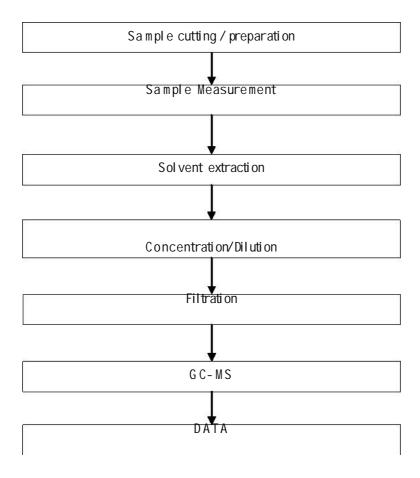
Page 6 of 8

Date: 14 Jan 2015

### 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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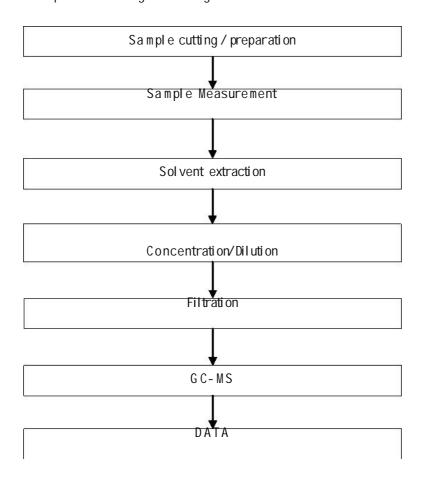
Page 7 of 8

Date: 14 Jan 2015

#### ATTACHMENTS

# Phthalates Testing Flow Chart

- 1) Name of the person who made testing: Liu Qiong
- 2) Name of the person in charge of testing: Yol and a Wei



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No. CANEC1500258801

Page 8 of 8

Date: 14 Jan 2015

Sample photo:



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