

Test Report

No. CANEC1608259001

Date: 13 May 2016

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DONG GUAN UGET PLASTICS CO.,LTD

TANKENG 3RD IND ZONE HENGLI TOWN DONGGUAN CITY CHINA

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

SGS Job No. : CP16-027555 - SZ

Model No. : V-85A

Client Ref. Info. : A-80A A-83A A-85A A-90A A-95A A-98A A-60D A-64D
A-72D A-82AQD8 LW85AQD8 LW92AQD8 A-95AQD8 A-98AQD8
A-55DQD8(9) A-60DQD8 A-64DQD8(9) A-72DQD8 B85A
B90A B95A B98A B64D B68D B-95A(S) B64DY B82AY
B92AY B95AYS C0-80AH C0-85AHU C-90A C-98A C-60D
C-64D C-66D C-71D C-85A C-95A E-285A E-290A E-295A(T)
E-298A E-475A E-485A E-490A E-495A E-98A E-60D E-80A
EV-85A EV-90A EV-95A EW-80A EW-85A EW-90A EW-95A
V-80A V-85A V-90A V-95A V-60D V-64D V-80AP V-85AP
V-90AP V-95AP G-180A G-185A G-190A (S) G-195A G-198A
G-160D G-164D G-171D G-380A G-383A G-385A G-390A
G-395A G-398A G-360D G-365D G-371D G-80AU G-85AU
G-95AU G-98AU G-64DU G-74DU I-60A I-65A I-70A I-75A
S-62A S-65A S-70A S-75A T-0285A T-0290A T-0295A
T-0298A(U) T-0260D T-1185A T-1190A T-1195A(U)(S) T-1198A
T-1164D(U)(S) T-1172D T-1174D(U)(S) T-1285A(S) T-1290A(S)
T-1295A(S) T-695A(S) T-1160D(S) T-1164D(S) T-690A(S)
T-680A(S) T-698A T-671D T-885A T-890A P-75A P-80A P-85A
P-90A P-95A P-98A P-60D P-64D P-64D
A-XXX B-XXX C0-XXX C-XXX E-XXX EV-XXX EW-XXX
V-XXX G-XXX I-XXX S-XXX T-XXX P-XXX

Date of Sample Received : 10 May 2016



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch Testing Chemical Laboratory

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Testing Period : 10 May 2016 - 13 May 2016

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 sample(s), the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

violet

Violet, Shi

Approved Signatory



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN16-082590.001	White 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 (EU) 2015/863 amending Annex II to 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 62321-6:2015, determination of PBBs and PBDEs by GC-MS.
 - (6)With reference to IEC 62321-8:2013 (111/321/CD) , determination of phthalates 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



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<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Monobromodiphenyl ether	-	mg/kg	5	ND
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
Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Bis (2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Diisobutyl Phthalates (DIBP)	1000	mg/kg	50	ND

Notes :

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.



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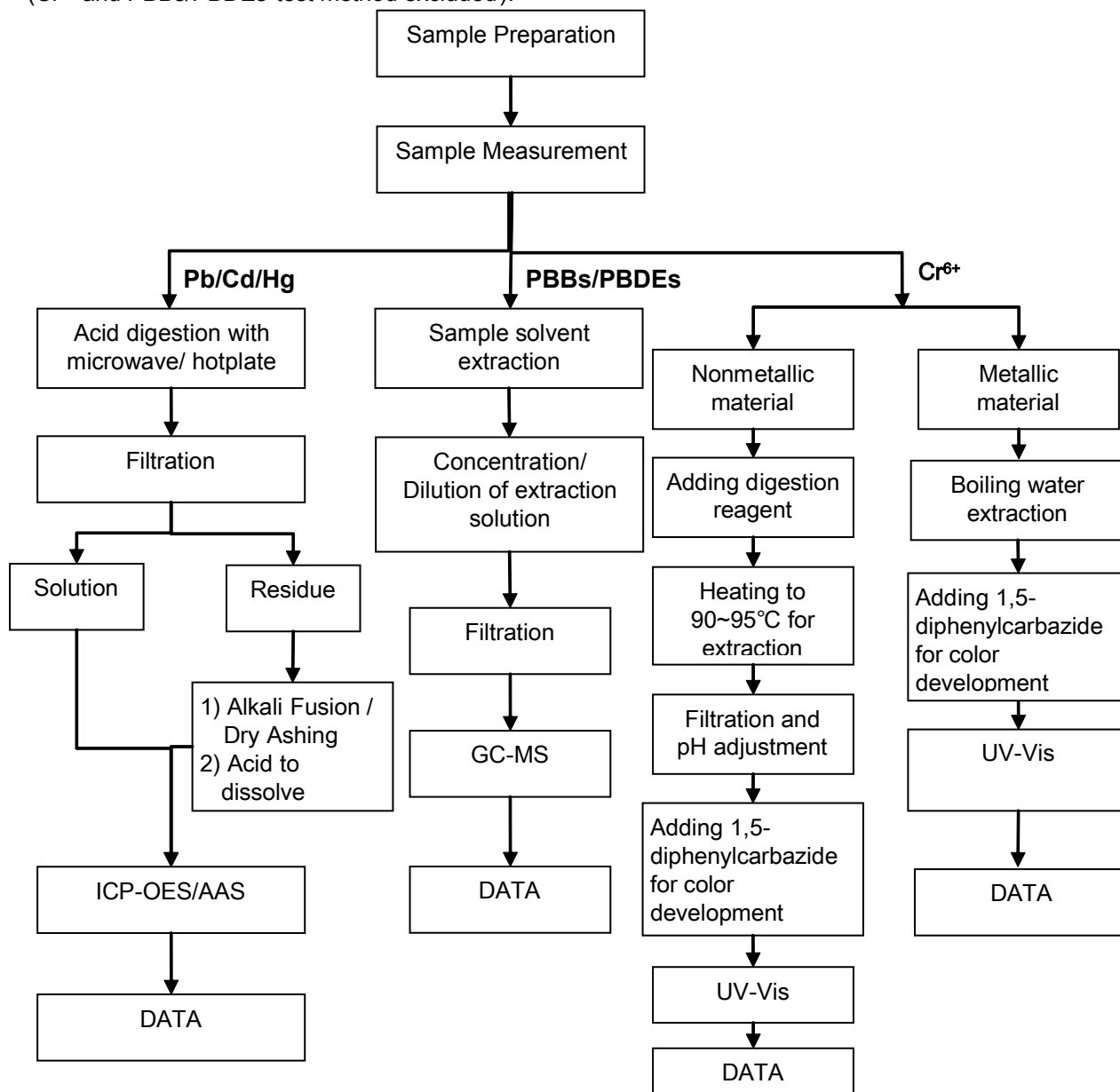
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ATTACHMENTS

Pb/Cd/Hg/Cr⁶⁺/PBBs/PBDEs Testing Flow Chart

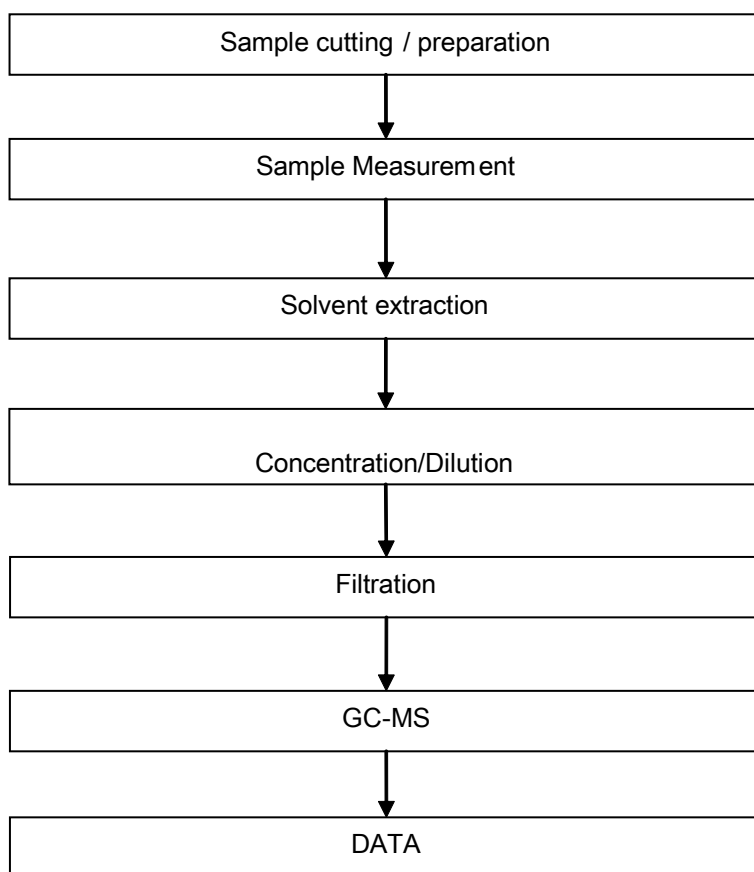
- 1) Name of the person who made testing: Bruce Xiao / Sunny Hu
- 2) Name of the person in charge of testing: Bella Wang / Cutey Yu
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart (Cr⁶⁺ and PBBs/PBDEs test method excluded).



ATTACHMENTS

Phthalates Testing Flow Chart

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



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Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***