

Test Report

No. SZXEC2000955501

Date: 19 May 2020

Page 1 of 7

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. : RP20-009116 - SZ

Model No. : TPU

Client Ref. Info. : Please see Remark

Date of Sample Received : 14 May 2020

Testing Period : 14 May 2020 - 19 May 2020

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. Shenzhen Branch



Andy Ni
Approved Signatory



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Test Report

No. SZXEC2000955501

Date: 19 May 2020

Page 2 of 7

Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SZX20-009555.001	Colorless transparent 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 : With reference to IEC 62321-4:2013+AMD1:2017, IEC62321-5:2013, IEC62321-7-2:2017, IEC 62321-6:2015 and IEC62321-8:2017, analyzed by ICP-OES, UV-Vis and 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 (Cr(VI))	1,000	mg/kg	8	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
Dibromodiphenyl ether	-	mg/kg	5	ND
Tribromodiphenyl ether	-	mg/kg	5	ND
Tetrabromodiphenyl ether	-	mg/kg	5	ND
Pentabromodiphenyl ether	-	mg/kg	5	ND



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Test Report

No. SZXEC2000955501

Date: 19 May 2020

Page 3 of 7

Test Item(s)	Limit	Unit	MDL	001
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 Phthalate (DIBP)	1000	mg/kg	50	ND

Notes :

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

IEC 62321 series is equivalent to EN 62321 series

https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25

(2) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

(3) The restriction of DEHP, BBP, DBP and DIBP shall not apply to toys which are already subject to the restriction of DEHP, BBP, DBP and DIBP through entry 51 of Annex XVII to Regulation (EC) No 1907/2006.



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Test Report

No. SZXEC2000955501

Date: 19 May 2020

Page 4 of 7

Remark

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-5DQD8(9) A-60DQD8 A-64DQD8(9) A-72DQD8 B80AY B82AY
B85AY B90AY B92AY RT90AH B95AYS B90A B95A B98A B64D
B64DY B68D B-95A(S) BC85A BC90A BC92A BC95A C0-80AH
C0-85AHU C0-90AHU C0-95AHU C0-95A C-85A C-90A C-95A
C-98A C-60D C-64D C1-66D C-71D E-285A E-290A E-295A(T)
E-298A E-475A E-485A D/E-485A E-490A E-495A E-98A E-60D
E-80A EV-85A EV-90A EV-95A EW-80A EW-83A EW-85A
EW-90A EW-95A EW-98A EW-53D EW-75AP EW-80AP EW-95AP
V-80A(P) V-85A V-90A V-95A V-60D V-64D V-80AP V-85AP
V-90AP V-95AP G-85A G-95A G-85AS G-64D G-180A G-185A
G-285A G-190A(S) G-195A G-198A G-160D G-164D G-171D
G-174D G-168D G-98AU23C G-160DU G-74D G-380A G-383A
G-385A G-390A G-395A G-398A G-360D G-365D G-371D
G-80AU G-85AU G-90AU G-92AU G-95AU G-98AU G-64DU
G-74DU D/G-95AU D/G-95AUX G-92AUX G-92AUXL G-95AUX
G-90AU G-95AU G-98AU23 98AU I-60A I-65A I-70A I-72A I-75A
S-62A S-65A S-70A S-75A S-75AU 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-685A T-685AS T-695AS T-664DS T-664D T-698A T-671D
T-885A T-890A T-0290AU T-1285AS T-698AU T-470AU T-495AU
T-492AUL T-1172DU 185 190R 190A 29095A 260D 285A 295A
292 385A P-64D P-75A P-80A P-85A P-90A P-95A P-98A
P-60D P-64D P-92A 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 2XXX 3XXX



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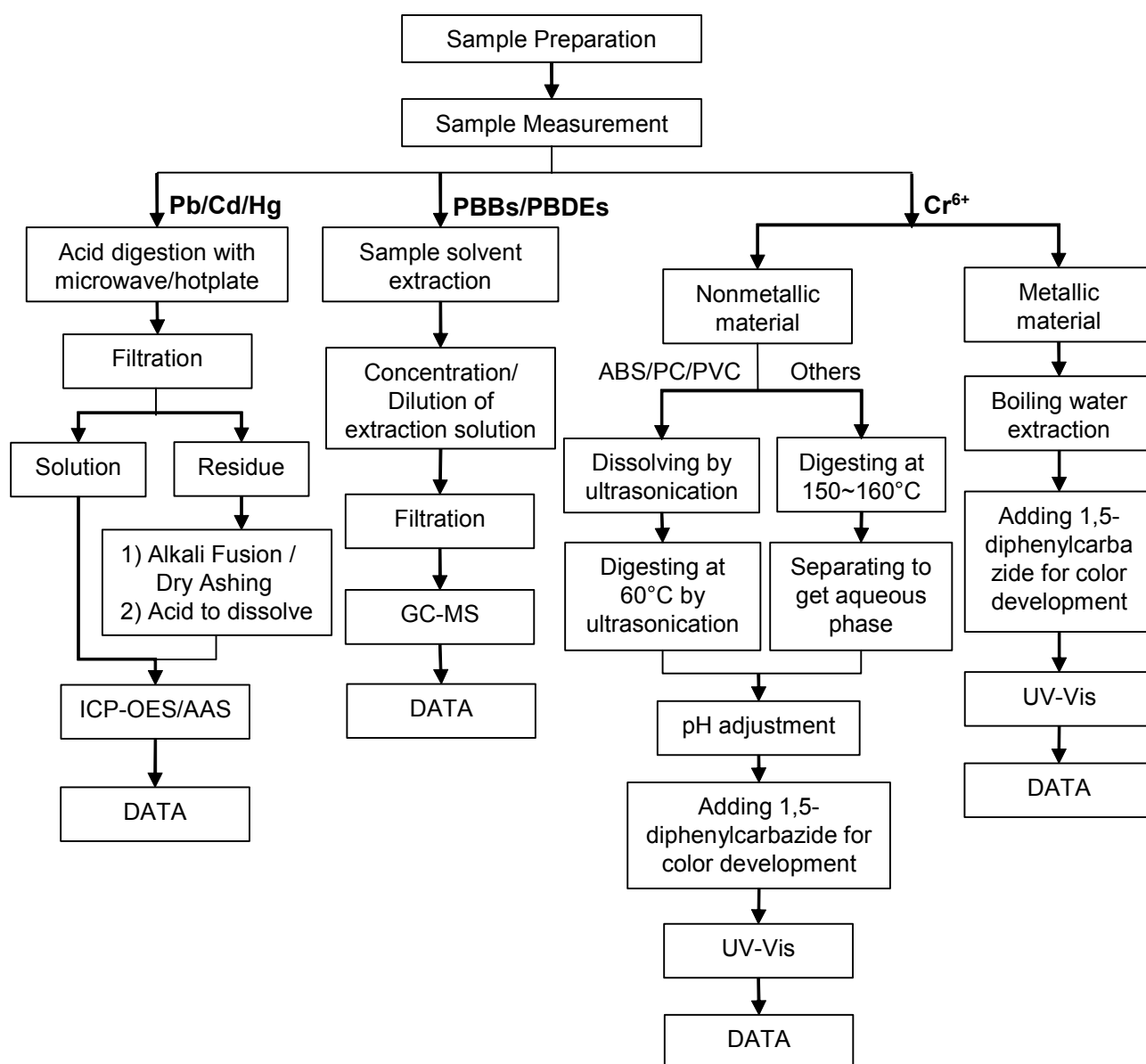
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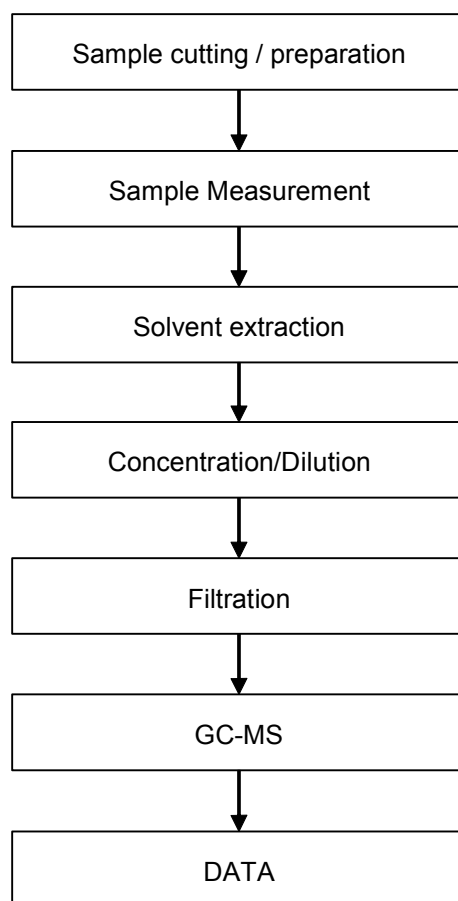
Pb/Cd/Hg/Cr⁶⁺/PBBs/PBDEs Testing Flow Chart

1) 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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Phthalates Testing Flow Chart



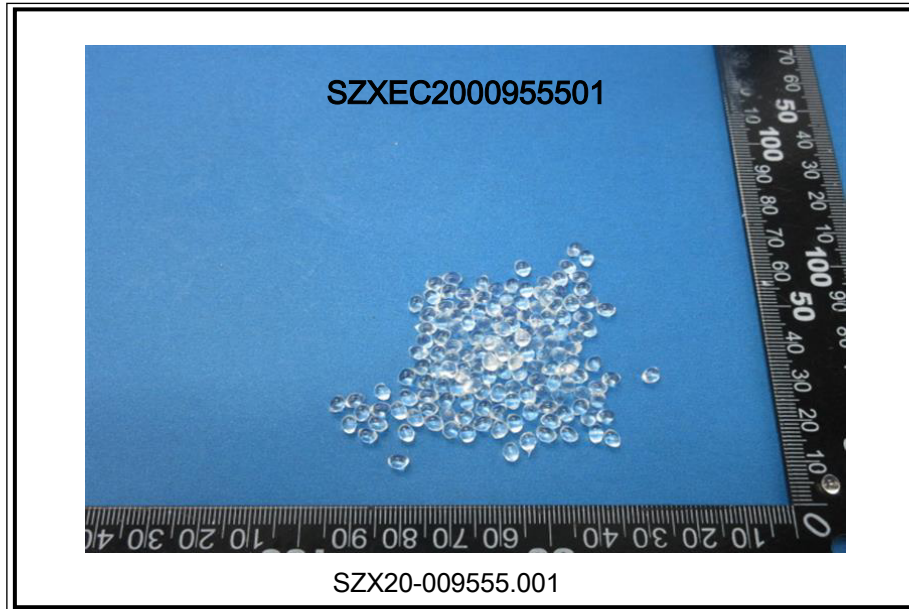
Test Report

No. SZXEC2000955501

Date: 19 May 2020

Page 7 of 7

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***