

## Test Report

No. CANEC1722786301

Date: 18 Nov 2017

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LG CHEMICAL (GUANG ZHOU) ENGINEERING PLASTICS CO., LTD

NO.1,YECHENG 1ST ROAD,EASTERN SECTION OF ECONOMIC&TECHNOLOGICAL DEVELOPMENT DISTRICT,GUANGZHOU CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : LUPOY EF1006FH-KA02

SGS Job No. : CP17-061873 - GZ

Date of Sample Received : 14 Nov 2017

Testing Period : 14 Nov 2017 - 18 Nov 2017

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          | CAN17-227863.001 | Black plastic grains |

Remarks :

- (1) 1 mg/kg = 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+A1:2017, 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 (CrVI) | 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 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 Phthalates (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  
[http://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP\\_ORG\\_ID,FSP\\_LANG\\_ID:1258637,25](http://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25)



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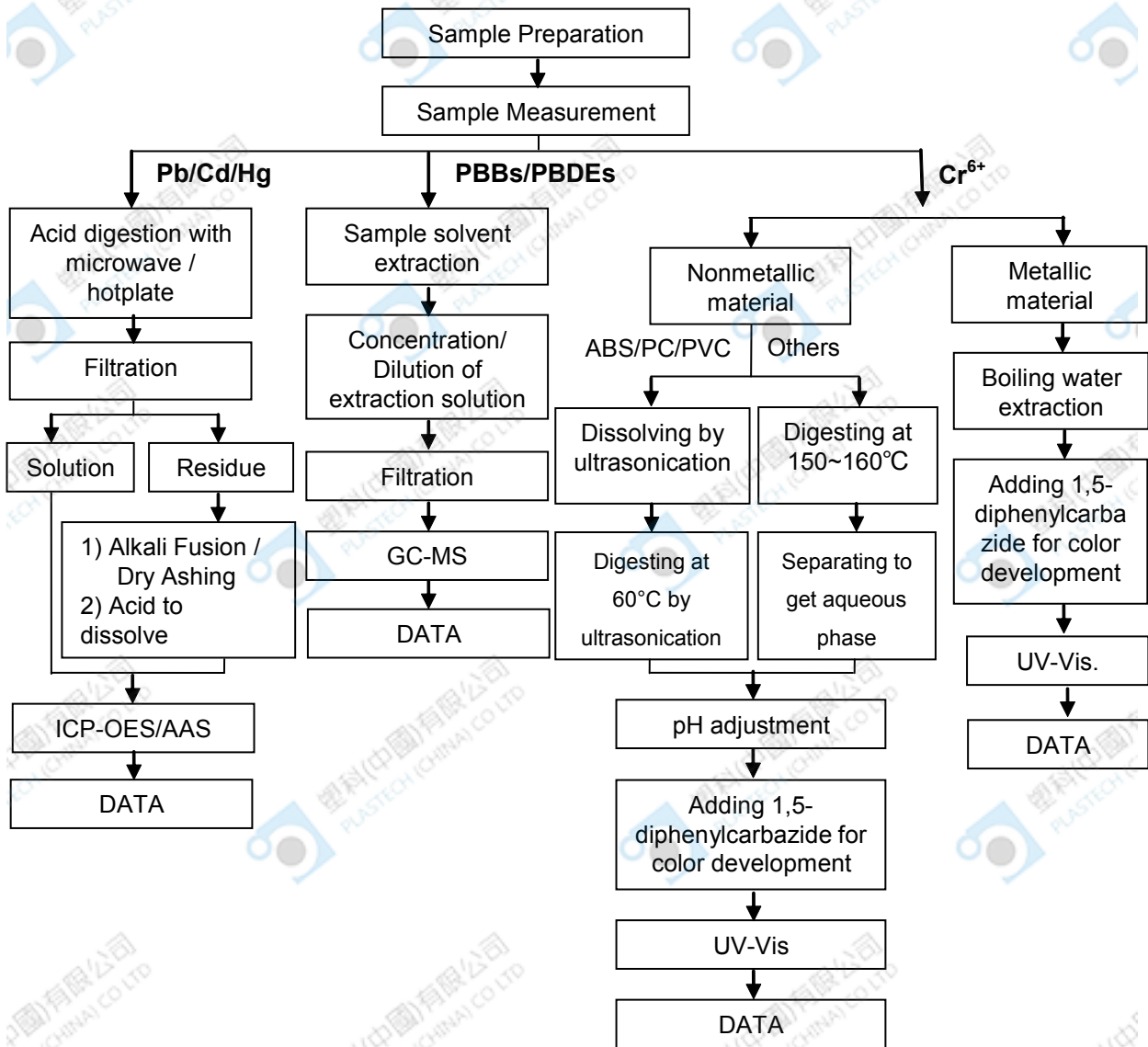
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**Pb/Cd/Hg/Cr<sup>6+</sup>/PBBs/PBDEs Testing Flow Chart**

- 1) Name of the person who made testing: Edith Zhang / Sunny Hu
- 2) Name of the person in charge of testing: Bella Wang / Qiong Liu
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr<sup>6+</sup> and PBBs/PBDEs test method excluded).



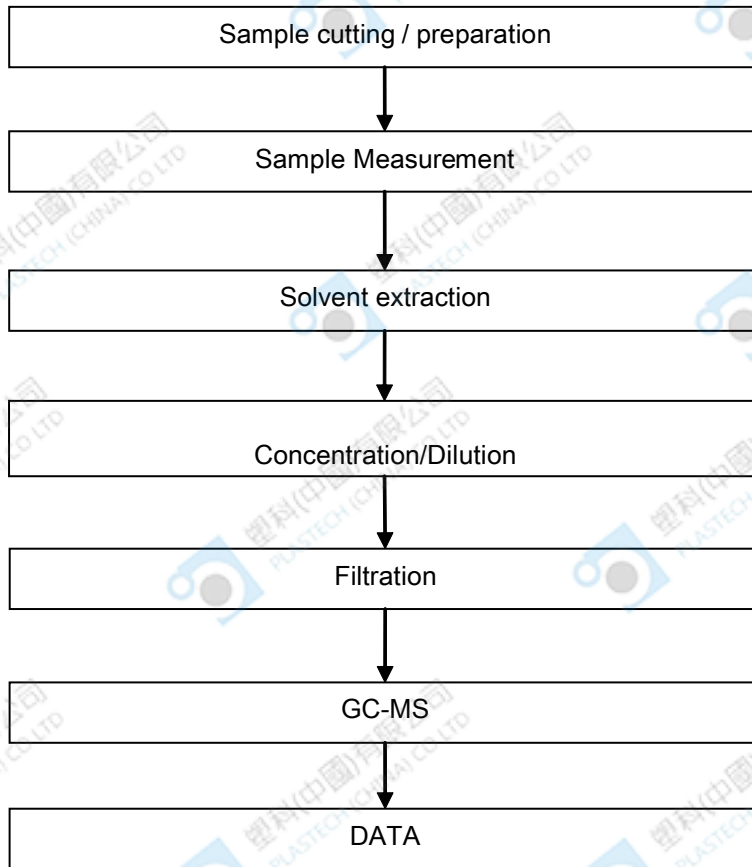
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### Phthalates Testing Flow Chart

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



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Sample photo:



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\*\*\* End of Report \*\*\*