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中国认可  
国际互认  
检测  
TESTING  
CNAS L6760

# Test Report

Report No HAP18122316513R1

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Applicant JF Polymers(Suzhou) Co.,Ltd.

Address Haicheng Industrial Park,Bldg 7,Changshu Economic and Technological Zone,Changshu,Jiangsu Province ,China

## Sample Information

Sample Name PolySupport™

Sample Description Material: filament

\*The information above is provided and confirmed by the applicant.

Sample Received Date Dec.24,2018

Testing Period Dec.24,2018 to Dec.27,2018

## Testing Requested

As per client's request,to determine the RoHS 2.0 (Pb,Cd,Hg,Cr<sup>6+</sup>, PBBs, PBDEs, DBP,BBP,DEHP,DIBP) in the submitted sample according to RoHS Directive 2015/863/EU Annex II.

## Testing Results

Please refer to next page(s)

## Remark

Based on the test samples,the test results of Cadmium(Cd),Lead(Pb),Mercury(Hg), Hexavalent Chromium (Cr<sup>6+</sup>),The sum of Polybrominated Biphenyls(PBBs) and The sum of Polybrominated Diphenyl Ethers(PBDEs) ,Dibutyl Phthalate (DBP) ,Benzylbutyl Phthalate (BBP) ,Bis-(2-ethylhexyl) Phthalate (DEHP) ,Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive 2015/863/EU Annex II.

Signer:

*Paul. Chen*  
Authorized signatory

Date: Dec.29,2018

[Website of verification report: CNCA verification platform yz.cncaic.cn](http://cnca.cncaic.cn)

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## Determination of RoHS 2.0 (unit: mg/kg)

### Testing method

- (1) With reference to IEC 62321-5:2013. By ICP - OES for measuring;
- (2) With reference to IEC 62321-4:2013. By ICP-OES for measuring;
- (3) With reference to IEC 62321-7-2:2017. By UV-VIS for measuring;
- (4) With reference to IEC 62321-6:2015. By GC-MS for measuring.
- (5) With reference to IEC 62321-8:2017 .By GC-MS for measuring.

| Testing Item(s)                        | Method | MDL | Limit | Results |
|----------------------------------------|--------|-----|-------|---------|
| Lead (Pb)                              | (1)    | 2   | 1000  | ND      |
| Cadmium (Cd)                           |        | 2   | 100   | ND      |
| Mercury (Hg)                           | (2)    | 2   | 1000  | ND      |
| Chromium(VI) (Cr <sup>6+</sup> )       | (3)    | 8   | 1000  | ND      |
| Polybrominated Biphenyls (PBBs)        | (4)    | —   | 1000  | ND      |
| Polybrominated Diphenyl Ethers (PBDEs) |        | —   | 1000  | ND      |
| Dibutyl Phthalate (DBP)                | (5)    | 50  | 1000  | ND      |
| Benzylbutyl Phthalate (BBP)            |        | 50  | 1000  | ND      |
| Bis-(2-ethylhexyl) Phthalate (DEHP)    |        | 50  | 1000  | ND      |
| Diisobutyl phthalate (DIBP)            |        | 50  | 1000  | ND      |

### Note:

- (1) 1 mg/kg=1 ppm=0.0001%
- (2) MDL=Method Detection Limit
- (3) ND=Not Detected (<MDL)
- (4) "—" =Not Regulated
- (5) Polybrominated diphenyl ethers
- (6) Polybrominated Biphenyls,Polybrominated Diphenyl Ethers list,and detection limit (MDL)

| Polybrominated Biphenyls (PBBs) | MDL | Polybrominated Diphenyl Ethers (PBDEs) | MDL |
|---------------------------------|-----|----------------------------------------|-----|
| Bromobiphenyl                   | 5   | Bromobiphenyl ether                    | 5   |
| Dibromobiphenyl                 | 5   | Dibromobiphenyl ether                  | 5   |
| Tribromobiphenyl                | 5   | Tribromobiphenyl ether                 | 5   |
| Tetrabromobiphenyl              | 5   | Tetrabromodiphenyl ether               | 5   |
| Pentabromobiphenyl              | 5   | Pentabromodiphenyl ether               | 5   |
| Hexabromobiphenyl               | 5   | Hexabromodiphenyl ether                | 5   |
| Heptabromobiphenyl              | 5   | Heptabromodiphenyl ether               | 5   |
| Octabromobiphenyl               | 5   | Octabromobiphenyl ether                | 5   |
| Nonabromobiphenyl               | 5   | Nonabromobiphenyl ether                | 5   |
| Marabromodiphenyl               | 5   | Marabromobiphenyl ether                | 5   |

(7) IEC 62321-8:2017 is not within the scope of CMA certification, DIBP is not within the scope of CNAS and CMA certification





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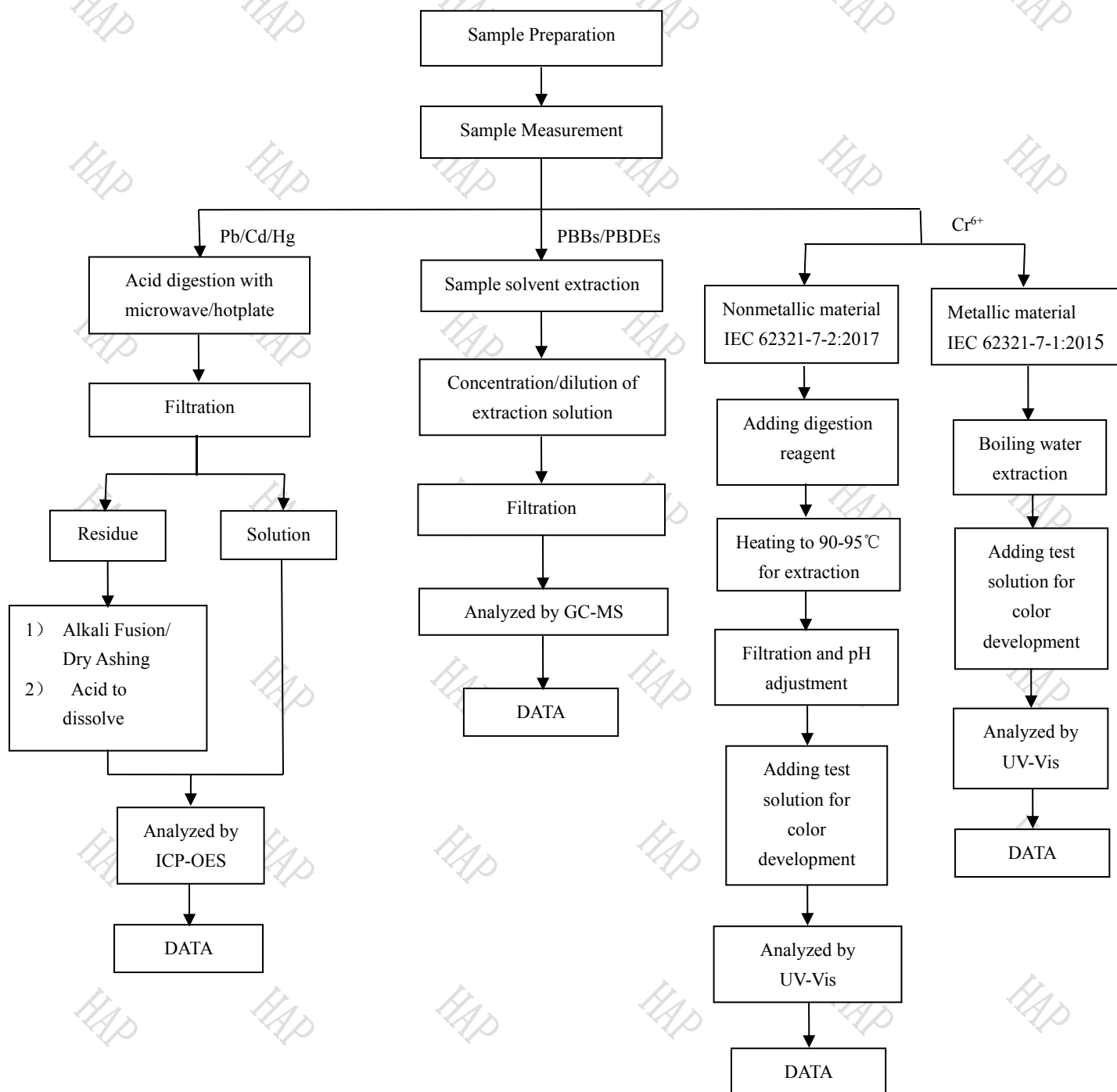
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## RoHS Testing Flow Chart

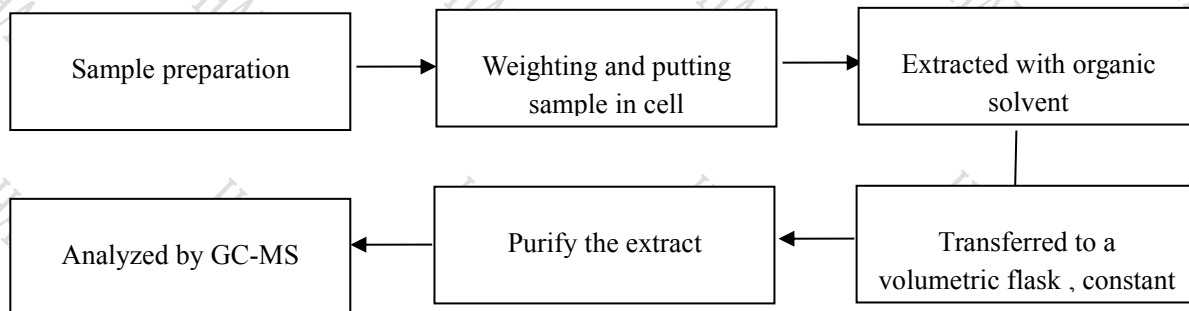


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## Phthalate Testing Flow Chart:



Sample photo:



\*\*\*End of report\*\*\*

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