

## Test Report No. F690101/LF-CTSAYAA16-02403

Issued Date : 2016. 01. 15

Page 1 of 4

### KOREA ENGINEERING PLASTICS (PYEONGTAEK)

402 Chupal-ri, Paengseong-eup  
Pyeongtaek-si, Gyeonggi-do  
Korea

The following sample(s) was/were submitted and identified by/on behalf of the client as:-

**SGS File No.** : AYAA16-02403

**Product Name** : KEPAMID

**Item No./Part No.** : N/A

**Client Reference Data** : 2315GF BK02, 2315GF NT, 2315GHS BK03, 2315GHS BK04, 2315GHS BK, 2315GHS NT, 2325GFH BK02, 2325GFH BK02-K, 2325GFH NT, 2325GFH NT-K, 2330GF BK02, 2330GF NT, 2330GFA BK03, 2330GFH BK02, 2330GFH NT, 2330GFO BK02, 2330GFS BK, 2330GWH BK03, 2333GFH NT02, 2335GFH BK03, 2335GFH BK04, 2335GFH BK, 2335GFH NT, 2340GFH BK04, 2343GFA Black, 2343GFH BK02, 2345GF NT, 2350GF BK03, 2350GF NT, 2350GFH BK03, 2360GF BK03, 2440GF BK03, 2455GF BK03, 2725GF BK03, 2725GFS Black

**Received Date** : 2016. 01. 12

**Test Period** : 2016. 01. 12 to 2016. 01. 15

**Report Comments** : By the applicant's request, item No.s/part No.s & client reference information are stated/added on report.

**Test Results** : For further details, please refer to following page(s)

SGS Korea Co., Ltd.



Jeff Jang / Chemical Lab Mgr

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No. F690101/LF-CTSAYAA16-02403

Issued Date : 2016. 01. 15

Page 2 of 4

Sample No. : AYAA16-02403.001

Sample Description : KEPAMID

Item No./Part No. : N/A

Materials : N/A

## Heavy Metals

Test Items	Unit	Test Method	MDL	Results
Cadmium (Cd)	mg/kg	With reference to US EPA 3051, US EPA 6010B(1996), ICP	0.5	N.D.
Mercury (Hg)	mg/kg	With reference to US EPA 3051, US EPA 6010B(1996), ICP	2	N.D.
Lead (Pb)	mg/kg	With reference to US EPA 3051, US EPA 6010B(1996), ICP	5	N.D.
Hexavalent Chromium (Cr VI)	mg/kg	With reference to US EPA 3060A(1996), US EPA 7196A(1992), UV	1	N.D.

## Flame Retardants-PBBs/PBDEs

Test Items	Unit	Test Method	MDL	Results
Monobromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Dibromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Tribromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Tetrabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Pentabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Hexabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Heptabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Octabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Nonabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Decabromobiphenyl	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Monobromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Dibromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Tribromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Tetrabromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Pentabromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Hexabromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Heptabromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Octabromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.
Nonabromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.

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**Test Report** No. F690101/LF-CTSAYAA16-02403

Issued Date : 2016. 01. 15

Page 3 of 4

Sample No. : AYAA16-02403.001

Sample Description : KEPAMID

Item No./Part No. : N/A

Materials : N/A

**Flame Retardants-PBBs/PBDEs**

Test Items	Unit	Test Method	MDL	Results
Decabromodiphenyl ether	mg/kg	US EPA 3540C, GC/MS	5	N.D.

NOTE: (1) N.D. = Not detected.(&lt;MDL)

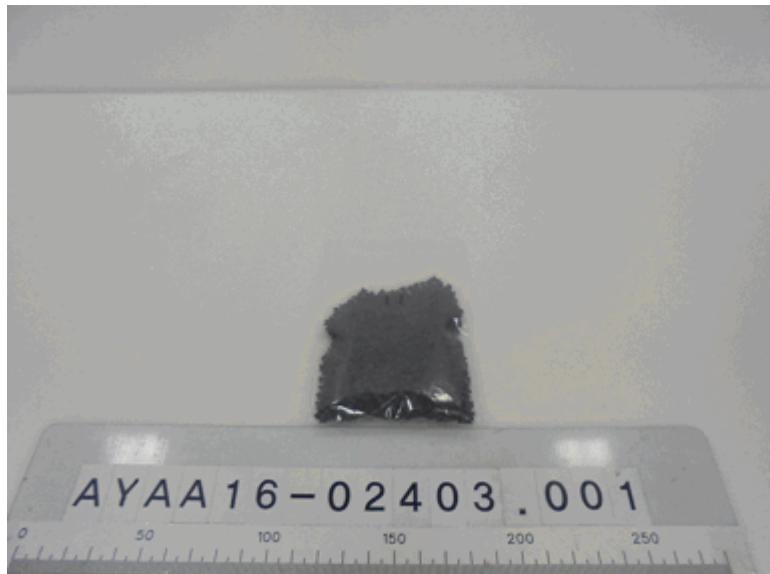
(2) mg/kg = ppm

(3) MDL = Method Detection Limit

(4) - = No regulation

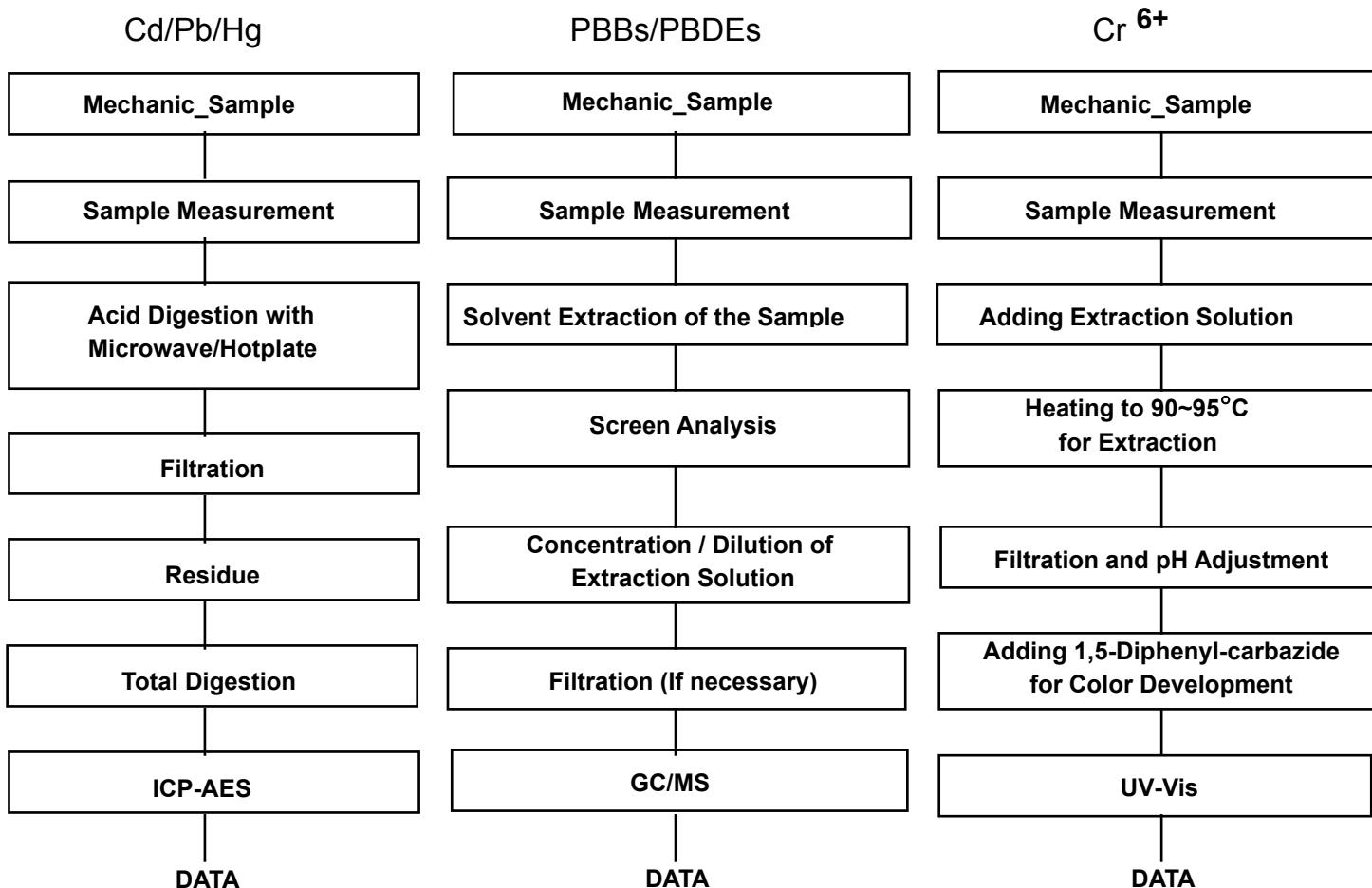
(5) \*\* = Qualitative analysis (No Unit)

(6) Negative = Undetectable / Positive = Detectable

**Picture of Sample as Received:**

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### Testing Flow Chart for RoHS:Cd/Pb/Hg/Cr<sup>6+</sup> /PBBs&PBDEs Testing



The samples were dissolved totally by pre-conditioning method according to above flow chart for Cd,Pb,Hg.

Section Chief : Gilsae Yi

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

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