



## Test Report No. F690101/LF-CTSAYAA12-25342

Issued Date: 2012. 07. 10 Page 1 of 4

To: **KUMHO PETROCHEMICAL CO., LTD.**  
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Yeosu-si  
Jeonlanamdo  
Korea

The following merchandise was submitted and identified by the client as :

**SGS File No.** : AYAA12-25342  
**Product Name** : SSBR  
**Item No./Part No.** : SOL-C6450SL  
**Received Date** : 2012. 07. 03  
**Test Period** : 2012. 07. 04 to 2012. 07. 10  
**Test Results** : For further details, please refer to following page(s)  
**Test Performed** : SGS Korea tested the sample(s) selected by applicant with following results.

**SGS Korea Co. Ltd.**

**Jeff Jang / Chemical Lab Mgr**

**Timothy Jeon**  
**Jinhee Kim**  
**Cindy Park**  
**Jerry Jung/ Testing Person**

# Test Report No. F690101/LF-CTSAYAA12-25342

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**Sample No.** : AYAA12-25342.001  
**Sample Description** : SSBR  
**Item No./Part No.** : SOL-C6450SL  
**Materials** : Rubber

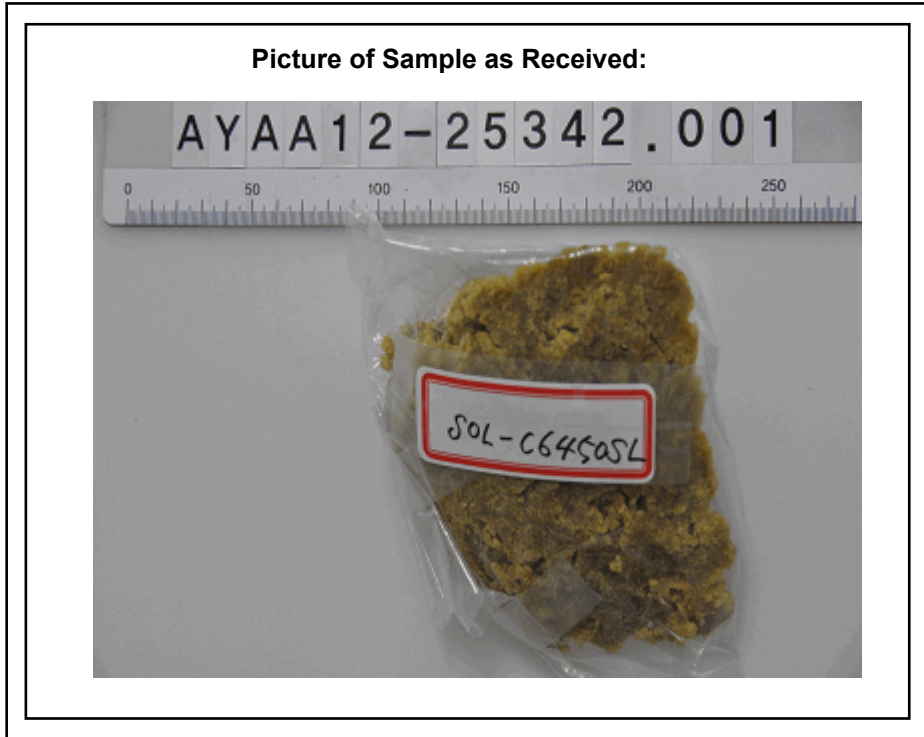
## Heavy Metals

Test Items	Unit	Test Method	MDL	Results
Cadmium (Cd)	mg/kg	With reference to IEC 62321:2008, ICP	0.5	N.D.
Lead (Pb)	mg/kg	With reference to IEC 62321:2008, ICP	5	N.D.
Mercury (Hg)	mg/kg	With reference to IEC 62321:2008, ICP	2	N.D.
Hexavalent Chromium (Cr VI)	mg/kg	With reference to IEC 62321:2008, UV-VIS	1	N.D.

## Polycyclic Aromatic Hydrocarbons

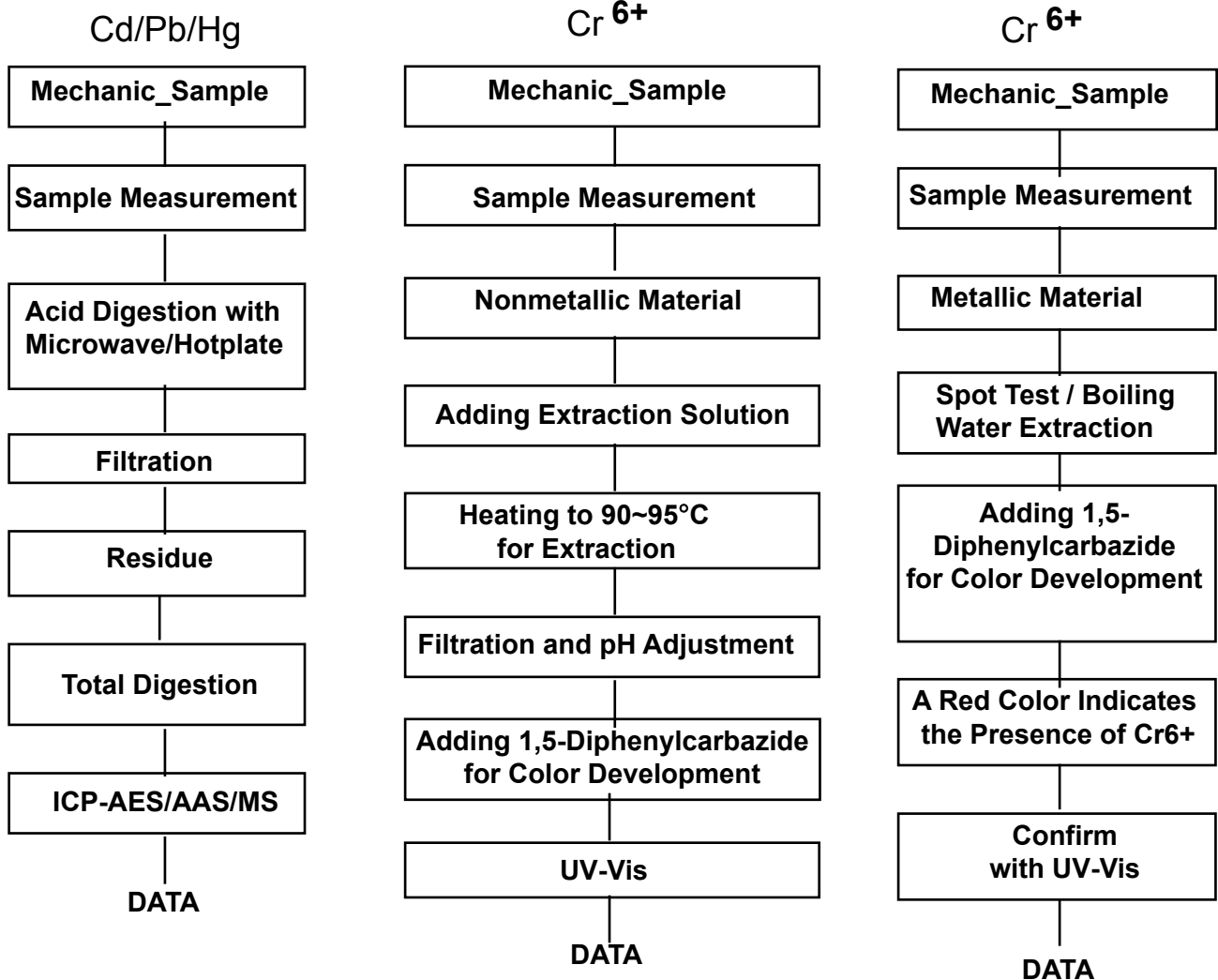
Test Items	Unit	Test Method	MDL	Results
Naphthalene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
1-Methyl naphthalene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
2-Methyl naphthalene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Acenaphthylene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Acenaphthene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Fluorene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Phenanthrene	mg/kg	ZEK 01.4-08, GC/MS	0.2	0.36
Anthracene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Fluoranthene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Pyrene	mg/kg	ZEK 01.4-08, GC/MS	0.2	0.23
Benzo(a)anthracene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Chrysene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Benzo(b)fluoranthene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Benzo(j)fluoranthene + Benzo(k)fluoranthene	mg/kg	ZEK 01.4-08, GC/MS	0.4	N.D.
Benzo(e)pyrene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Benzo(a)pyrene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Indeno(1,2,3-c,d)pyrene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Dibenzo(a,h)anthracene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.
Benzo(g,h,i)perylene	mg/kg	ZEK 01.4-08, GC/MS	0.2	N.D.

- NOTE: (1) N.D. = Not detected. (<MDL)  
 (2) mg/kg = ppm  
 (3) MDL = Method Detection Limit  
 (4) - = No regulation  
 (5) Negative = Undetectable / Positive = Detectable  
 (6) \*\* = Qualitative analysis (No Unit)  
 (7) \* = Boiling-water-extraction:  
 Negative = Absence of CrVI coating  
 Positive = Presence of CrVI coating; the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm<sup>2</sup> sample surface area.



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



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

\*\*\* End \*\*\*

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