



**Test Report No.** F690501/LF-CTSGP05-2994

Date: November 28, 2005

Page 1 of 2

**To:** KOREA KUMHO PETROCHEMICAL CO., LTD.  
15-16 Fl., Kumho Bldg., 57  
Sinmunro1-ga  
Jongno-gu  
SEOUL 110-061  
Korea

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

---

**Commodity** : HI-425ESH  
**SGS File No.** : GP05-2994  
**Received Date** : November 21, 2005  
**Test Performing Date** : November 22, 2005  
**Test Performed** : SGS Testing Korea tested the sample(s) selected by applicant with following results  
**Test Results** : For further details, please refer to following page(s)

SGS Testing Korea Co. Ltd.

Jason Han/Lab Director

Jeff Jang/Technical Mgr

**Test Report No. F690501/LF-CTSGP05-2994**

Date: November 28, 2005

Page 2 of 2

**Sample No.** : GP05-2994.001  
**Sample Description** : HI-425ESH  
**Style/Item No.** : N/A  
**Comments** : Material is HIPS.

**Heavy Metals**

| Test Items                  | Unit  | Test Method          | MDL | Results |
|-----------------------------|-------|----------------------|-----|---------|
| Cadmium(Cd)                 | mg/kg | EN 1122 , ICP-AES    | 0.5 | N.D.    |
| Lead (Pb)                   | mg/kg | USEPA 3050B, ICP-AES | 5   | N.D.    |
| Mercury (Hg)                | mg/kg | USEPA 3052, ICP-AES  | 2   | N.D.    |
| Hexavalent Chromium (Cr VI) | mg/kg | USEPA 3060A, UV-vis  | 1   | N.D.    |

**Flame Retardants-PBBs/PBDEs**

| Test Items               | Unit  | Test Method        | MDL | Results |
|--------------------------|-------|--------------------|-----|---------|
| Monobromobiphenyl        | mg/kg | USEPA 3540C, GC/MS | 5   | N.D.    |
| Dibromobiphenyl          | mg/kg | USEPA 3540C, GC/MS | 5   | N.D.    |
| Tribromobiphenyl         | mg/kg | USEPA 3540C, GC/MS | 5   | N.D.    |
| Tetrabromobiphenyl       | mg/kg | USEPA 3540C, GC/MS | 5   | N.D.    |
| Heptabromobiphenyl       | mg/kg | USEPA 3540C, GC/MS | 5   | N.D.    |
| Hexabromobiphenyl        | mg/kg | USEPA 3540C, GC/MS | 5   | N.D.    |
| Pentabromobiphenyl       | mg/kg | USEPA 3540C, GC/MS | 5   | N.D.    |
| Octabromobiphenyl        | mg/kg | USEPA 3540C, GC/MS | 5   | N.D.    |
| Nonabromobiphenyl        | mg/kg | USEPA 3540C, GC/MS | 5   | N.D.    |
| Decabromobiphenyl        | mg/kg | USEPA 3540C, GC/MS | 5   | N.D.    |
| Monobromobiphenyl ether  | mg/kg | USEPA 3540C, GC/MS | 5   | N.D.    |
| Dibromobiphenyl ether    | mg/kg | USEPA 3540C, GC/MS | 5   | N.D.    |
| Tribromobiphenyl ether   | mg/kg | USEPA 3540C, GC/MS | 5   | N.D.    |
| Tetrabromobiphenyl ether | mg/kg | USEPA 3540C, GC/MS | 5   | N.D.    |
| Heptabromobiphenyl ether | mg/kg | USEPA 3540C, GC/MS | 5   | N.D.    |
| Hexabromobiphenyl ether  | mg/kg | USEPA 3540C, GC/MS | 5   | N.D.    |
| Pentabromobiphenyl ether | mg/kg | USEPA 3540C, GC/MS | 5   | N.D.    |
| Octabromobiphenyl ether  | mg/kg | USEPA 3540C, GC/MS | 5   | N.D.    |
| Nonabromobiphenyl ether  | mg/kg | USEPA 3540C, GC/MS | 5   | N.D.    |
| Decabromobiphenyl ether  | mg/kg | USEPA 3540C, GC/MS | 5   | N.D.    |

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

NOTE: N.D. = Not detected.(<MDL)  
ppm = mg/kg  
MDL = Method Detection Limit  
"- " = No Regulation  
\*\* = Qualitative analysis (No Unit)  
Negative = Undetectable / Positive = Detectable