



Test Report

No. 2106980/EC

Date : Dec 16 2010

Page 1 of 5

HONG KONG PETROCHEMICAL CO LTD
12, WANG LOK STREET
YUEN LONG INDUSTRIAL ESTATE
NEW TERRITORIES
HONG KONG

The following sample was submitted and identified on behalf of the client as :
HIGH IMPACT POLYSTYRENE HK PETRO SR600

SGS Job No. : 1425942
Country of Origin : HONG KONG
Country of Destination : HONG KONG
Sample Receiving Date : DEC 09 2010
Testing Period : DEC 09 – 15 2010

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, the results comply with the RoHS Directive 2002/95/EC and its subsequent amendments.

Signed for and on behalf of
SGS Hong Kong Ltd

Thu Hung Yat, Rodney
Section Manager

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Test Report

No. 2106980/EC

Date : Dec 16 2010

Page 2 of 5

Test result:

ID for sample 1 : 4119603S001

Description for sample 1 : White Plastic Pellet

RoHS Directive 2002/95/EC

Test Item(s) :	Unit	Test Method	Results	<u>MDL</u>	<u>Limit</u>
Cadmium(Cd)	mg/kg	With reference to IEC 62321:2008 and performed by ICP-OES/AAS	n.d.	2	100
Lead (Pb)	mg/kg	With reference to IEC 62321:2008 and performed by ICP-OES/AAS	n.d.	2	1000
Mercury (Hg)	mg/kg	With reference to IEC 62321:2008 and performed by ICP-OES/AAS	n.d.	2	1000
Hexavalent Chromium (CrVI)	mg/kg	With reference to IEC 62321:2008 and performed by UV-VIS	n.d.	2	1000
Sum of PBBs	mg/kg	With reference to IEC 62321:2008 and performed by GC-MS	n.d.	-	1000
Monobromobiphenyl	mg/kg	With reference to IEC 62321:2008 and performed by GC-MS	n.d.	5	
Dibromobiphenyl	mg/kg	With reference to IEC 62321:2008 and performed by GC-MS	n.d.	5	
Tribromobiphenyl	mg/kg	With reference to IEC 62321:2008 and performed by GC-MS	n.d.	5	
Tetrabromobiphenyl	mg/kg	With reference to IEC 62321:2008 and performed by GC-MS	n.d.	5	
Pentabromobiphenyl	mg/kg	With reference to IEC 62321:2008 and performed by GC-MS	n.d.	5	
Hexabromobiphenyl	mg/kg	With reference to IEC 62321:2008 and performed by GC-MS	n.d.	5	
Heptabromobiphenyl	mg/kg	With reference to IEC 62321:2008 and performed by GC-MS	n.d.	5	
Octabromobiphenyl	mg/kg	With reference to IEC 62321:2008 and performed by GC-MS	n.d.	5	
Nonabromobiphenyl	mg/kg	With reference to IEC 62321:2008 and performed by GC-MS	n.d.	5	
Decabromobiphenyl	mg/kg	With reference to IEC 62321:2008 and performed by GC-MS	n.d.	5	

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Test Report

No. 2106980/EC

Date : Dec 16 2010

Page 3 of 5

Sum of PBDEs	mg/kg	With reference to IEC 62321:2008 and performed by GC-MS	n.d.	-	1000
Monobromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 and performed by GC-MS	n.d.	5	
Dibromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 and performed by GC-MS	n.d.	5	
Tribromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 and performed by GC-MS	n.d.	5	
Tetrabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 and performed by GC-MS	n.d.	5	
Pentabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 and performed by GC-MS	n.d.	5	
Hexabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 and performed by GC-MS	n.d.	5	
Heptabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 and performed by GC-MS	n.d.	5	
Octabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 and performed by GC-MS	n.d.	5	
Nonabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 and performed by GC-MS	n.d.	5	
Decabromodiphenyl ether ##	mg/kg	With reference to IEC 62321:2008 and performed by GC-MS	n.d.	5	

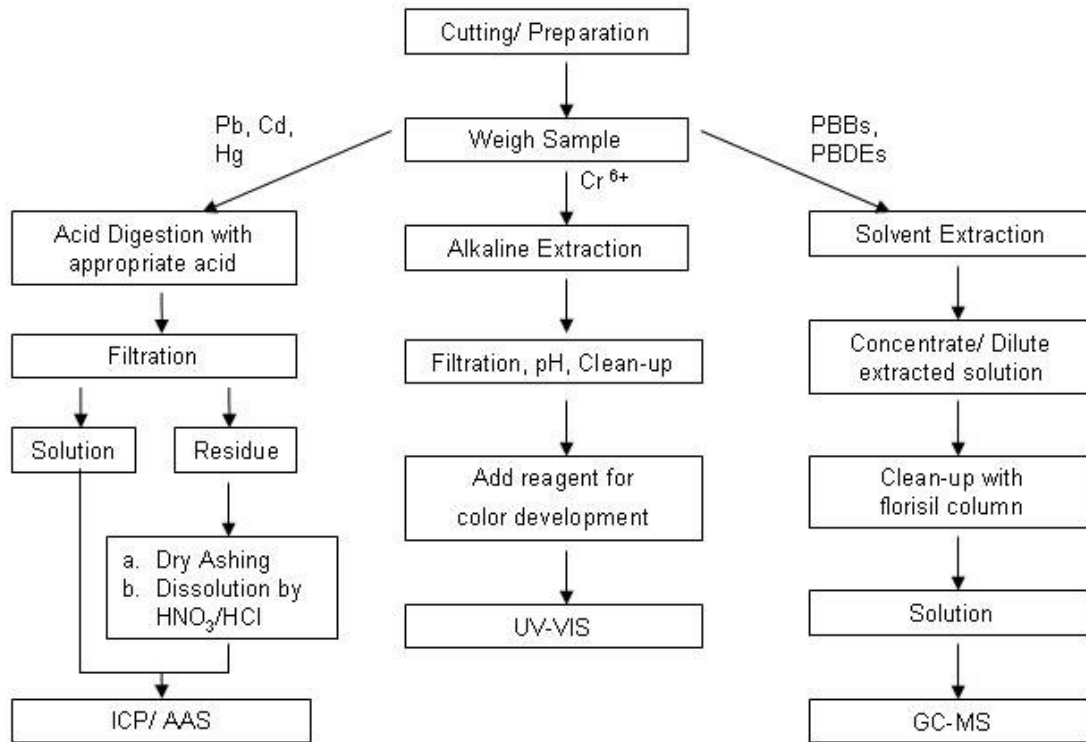
Note :

- (1) mg/kg = ppm; 0.1wt% = 1000 ppm
- (2) n.d. = not detected
- (3) MDL = Method Detection Limit
- (4) ## = The exemption of DecaBDE in polymeric application according 2005/717/EC was overruled by the European Court of Justice by its decision of 01.04.2008. Subsequently DecaBDE will be included in the sum of PBDE after 01.07.2008
- (5) “ - “ = Not regulated

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Flowchart:

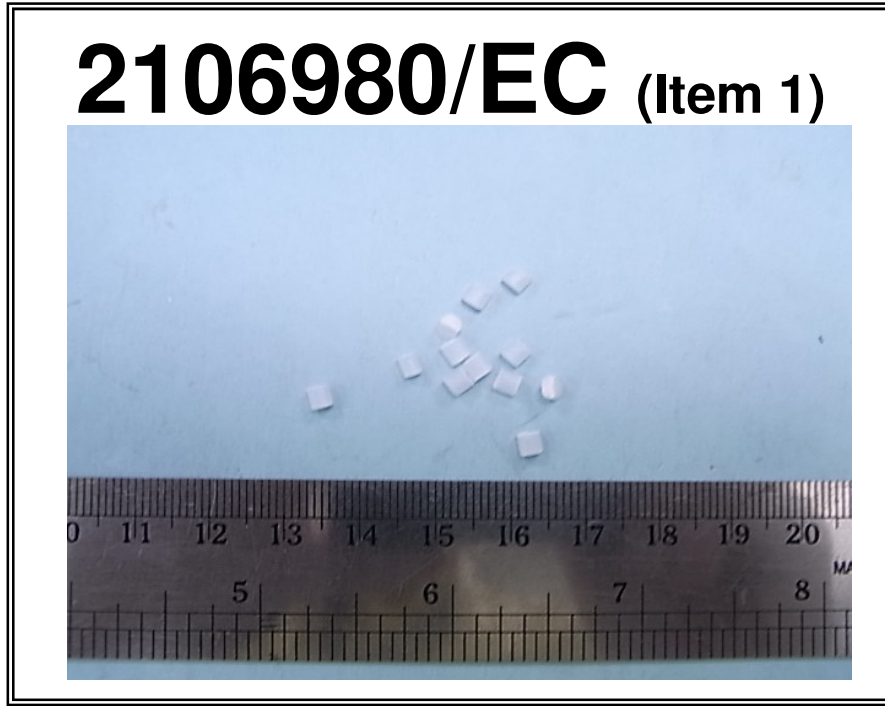


- Note :
- 1) Boiling water test method was also performed for the analysis of Cr (VI) in metal sample.
 - 2) The polymeric samples were dissolved totally by pre-conditioning method according to above flow chat for Cd and Pb contents analysis.

Operator : Chiu Kan Yuen/ Tang Koon Pang (Acid digestion)
Chiu Kan Yuen (Dry Ashing)
Cheng Chi Yuen, Vincent (Hexavalent Chromium)
Lau Chung Yin, Eric (PBBs and PBDEs)

Section Chief : Thu Hung Yat, Rodney

Sample photo :



SGS authenticate the photo on original report only

End of Report

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