

COA No. : TCOA10-0883-01
Client Name : Hwimok Yang
Client Company : LG Chem, Ltd. ABS/EP Division
Application : Requested by Client

Sample Name/Description : HI121 / ABS

Sample Received : Nov. 09, 2010
Testing Date : Nov. 15 ~ Nov. 17, 2010
Testing Environment : Temperature : (21.5 ± 2.5) °C, Humidity : (25 ± 12) % R.H.
Reporting Date : NOV. 18, 2010

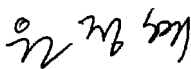
Testing method : Please see the following page(s).
Results : Please see the following page(s).

1. The results shown in this report refer only to the sample with which the client provided. The sample name is referred as client assigned.
2. This report cannot be duplicated or utilized without prior permission.
3. This report can be reissued after approval by technical manager and director of analytical center.

Tested by



Hyunju Kim / Analyst



Junghye Won / Analyst

The Laboratory Recognized by



Product Service

Authorized by



Woongjin Lee / Technical Manager

*LG Chem, Ltd. Research Park is entitled to use the logo on its analytical test reports for the recognized test scopes as long as ACT certificate is valid based on IEC/ISO 17025. Since April 26, 2007

Result(s) :

COA No. : TCOA10-0883-01

Sample Description : HI121 / ABS

Heavy Metals

Unit : mg/kg

Test Items	Results	MDL	Test Method
Pb	ND	5	ICP/OES, IEC 62321:2008 / EPA3052:1996
Cd	ND	2	
Cr	ND	2	
Hg	ND	1	Direct Mercury Analyzer, EPA 7473:2007

* Cr content includes entire Cr species including Cr⁶⁺

Flame Retardants-PBBs/PBDEs

Unit : mg/kg

Test Items	Results	MDL	Test Method
Monobromobiphenyl	ND	5	GC/MS, IEC 62321:2008 / EPA 8270C:1996
Dibromobiphenyl	ND	5	
Tribromobiphenyl	ND	5	
Tetrabromobiphenyl	ND	5	
Pentabromobiphenyl	ND	5	
Hexabromobiphenyl	ND	5	
Heptabromobiphenyl	ND	5	
Octabromobiphenyl	ND	5	
Nonabromobiphenyl	ND	5	
Decabromobiphenyl	ND	5	
Monobromodiphenyl ether	ND	5	
Dibromodiphenyl ether	ND	5	
Tribromodiphenyl ether	ND	5	
Tetrabromodiphenyl ether	ND	5	
Pentabromodiphenyl ether	ND	5	
Hexabromodiphenyl ether	ND	5	
Heptabromodiphenyl ether	ND	5	
Octabromodiphenyl ether	ND	5	
Nonabromodiphenyl ether	ND	5	
Decabromodiphenyl ether	ND	5	

* ND : Not Detected

* MDL : Method Detection Limit

The Test Procedures

The test procedures for the determination of RoHS related substances (PBBs/PBDEs, Pb, Cd, Hg, and Cr(VI)) are depicted in Figure 1 as certified by TUV SUD.

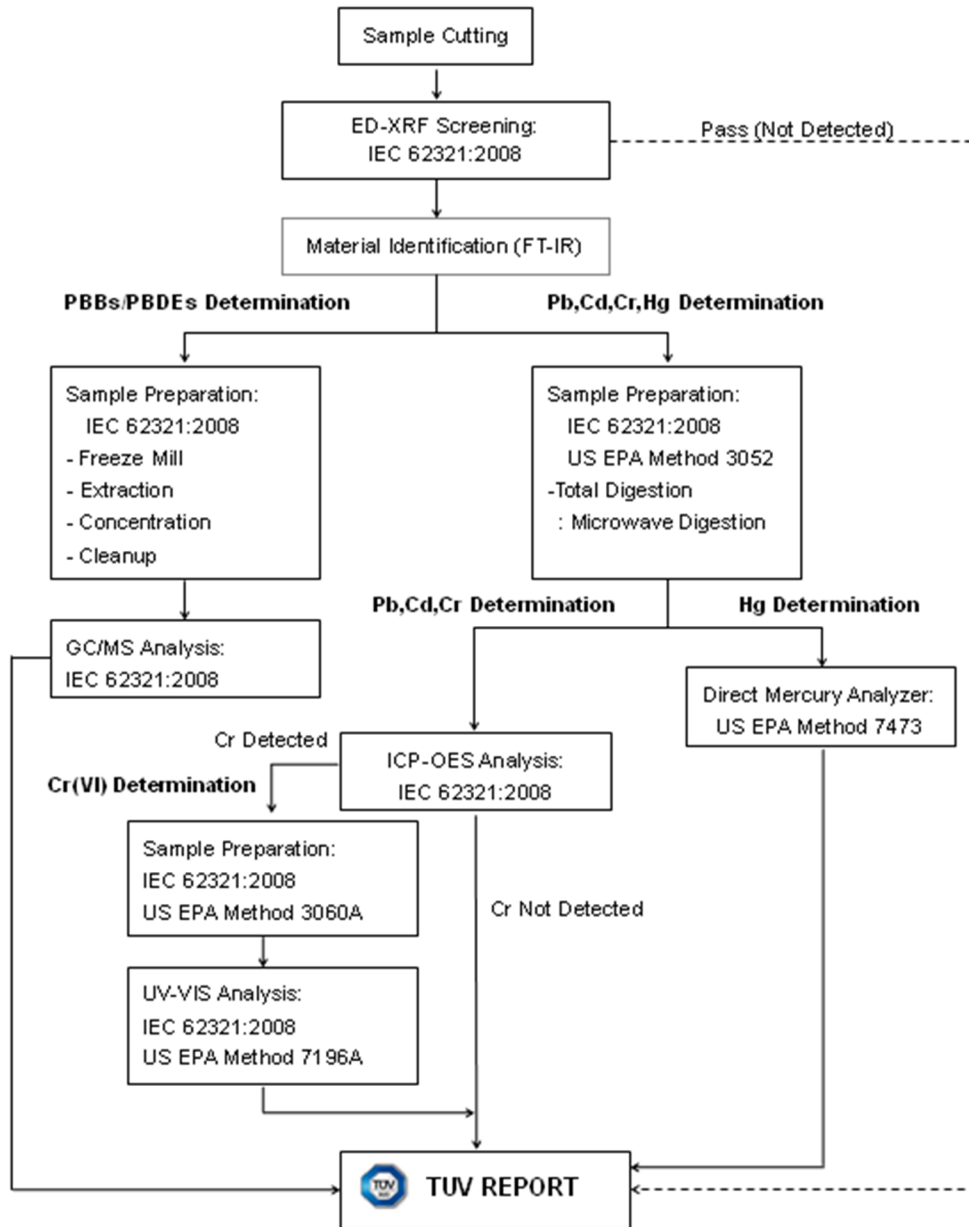


Figure 1. Flow Diagram of Test Procedures

-End of Report-