

Test Report No. 2392719

Date : 21-Jan-2013

Page 1 of 6

Client : **S.D.G (S.D Global) Co.,Ltd.**
119/3 Moo.3,
Maenamkoo, Pluak Daeng, Rayong 21140 Thailand

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

Sample Description : Tube Foam White
Sample No. : 2467880
Sample Condition : As per attached photograph
Quantity Submitted : 4 set
Part No. : Tube Foam
Manufacturer/Vendor : S.D.G. (S.D. Global) CO., LTD.
Country of Destination : Chonburi, Rayong
Buyer's Name : Thai Sumsung Electronics, LG Electronics
Sample Receiving Date : 16-Jan-2013
Testing Period : 16-Jan-2013 to 21-Jan-2013
Test Requested : In accordance with the RoHS Directive 2011/65/EU Annex II ; recasting 2002/95/EC
Test Method : (1) In-house method LBTY-07400 with reference to IEC 62321 Ed.1:2008 for Lead content, Analyzed by ICP-OES.
(2) In-house method LBTY-07400 with reference to IEC 62321 Ed.1:2008 for Cadmium content, Analyzed by ICP-OES.
(3) In-house method LBTY-07400 with reference to IEC 62321 Ed.1:2008 for Mercury content, Analyzed by ICP-OES.
(4) In-house method LBTY-07399 with reference to IEC 62321 Ed.1:2008 for Hexavalent Chromium by Alkaline Digestion / Colorimetric Method, Analyzed by UV-Vis Spectrometry.
(5) In-house method Lbfd-08466 with reference to IEC 62321 Ed.1:2008 for PBB/PBDE content, Analyzed by GC/MS.
Test Results : Please refer to next page.

Signed for and on behalf of
SGS (Thailand) Limited



Pornpana Lirathpong
Hardlines Testing Manager

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WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was(were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted.

Test Report No. 2392719

Date : 21-Jan-2013

Page 2 of 6

TEST RESULTS

Test results by chemical method (Unit: mg/kg)

Test Item (s):	Method (Refer to)	Result (1)	MDL	RoHS Limit
Lead (Pb)	(1)	n.d.	2	1000
Cadmium (Cd)	(2)	n.d.	2	100
Mercury (Hg)	(3)	n.d.	2	1000
Hexavalent Chromium (CrVI) by Alkaline Digestion/Colorimetric Method	(4)	n.d.	2	1000

Test Part Description
Result (1) white foam / white plastic

- Note :
- (a) mg/kg = ppm ; 0.1wt% = 1000 ppm
 - (b) n.d. = Not Detected
 - (c) MDL = Method Detection Limit
 - (d) Test done on client submitted sample

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TEST RESULTS

Test results by chemical method (Unit: mg/kg)

Test Item (s):	Method (Refer to)	Result (1)	MDL	RoHS Limit
sum of PBBs	(5)	n.d.	-	1000
Monobromobiphenyl		n.d.	5	-
Dibromobiphenyl		n.d.	5	-
Tribromobiphenyl		n.d.	5	-
Tetrabromobiphenyl		n.d.	5	-
Pentabromobiphenyl		n.d.	5	-
Hexabromobiphenyl		n.d.	5	-
Heptabromobiphenyl		n.d.	5	-
Octabromobiphenyl		n.d.	5	-
Nonabromobiphenyl		n.d.	5	-
Decabromobiphenyl		n.d.	5	-

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Test Report No. 2392719

Date : 21-Jan-2013

Page 4 of 6

TEST RESULTS

Test results by chemical method (Unit: mg/kg)

Test Item (s):	Method (Refer to)	Result (1)	MDL	RoHS Limit
Sum of PBDEs	(5)	n.d.	-	1000
Monobromodiphenyl ether		n.d.	5	-
Dibromodiphenyl ether		n.d.	5	-
Tribromodiphenyl ether		n.d.	5	-
Tetrabromodiphenyl ether		n.d.	5	-
Pentabromodiphenyl ether		n.d.	5	-
Hexabromodiphenyl ether		n.d.	5	-
Heptabromodiphenyl ether		n.d.	5	-
Octabromodiphenyl ether		n.d.	5	-
Nonabromodiphenyl ether		n.d.	5	-
Decabromodiphenyl ether		n.d.	5	-

Test Part Description

Result (1) white foam / white plastic

Note :

- (a) mg/kg = ppm ; 0.1 wt% = 1000 ppm
- (b) n.d. = Not Detected
- (c) MDL = Method Detection Limit
- (d) "-" = Not regulated
- (e) Test done on client submitted sample

2094432

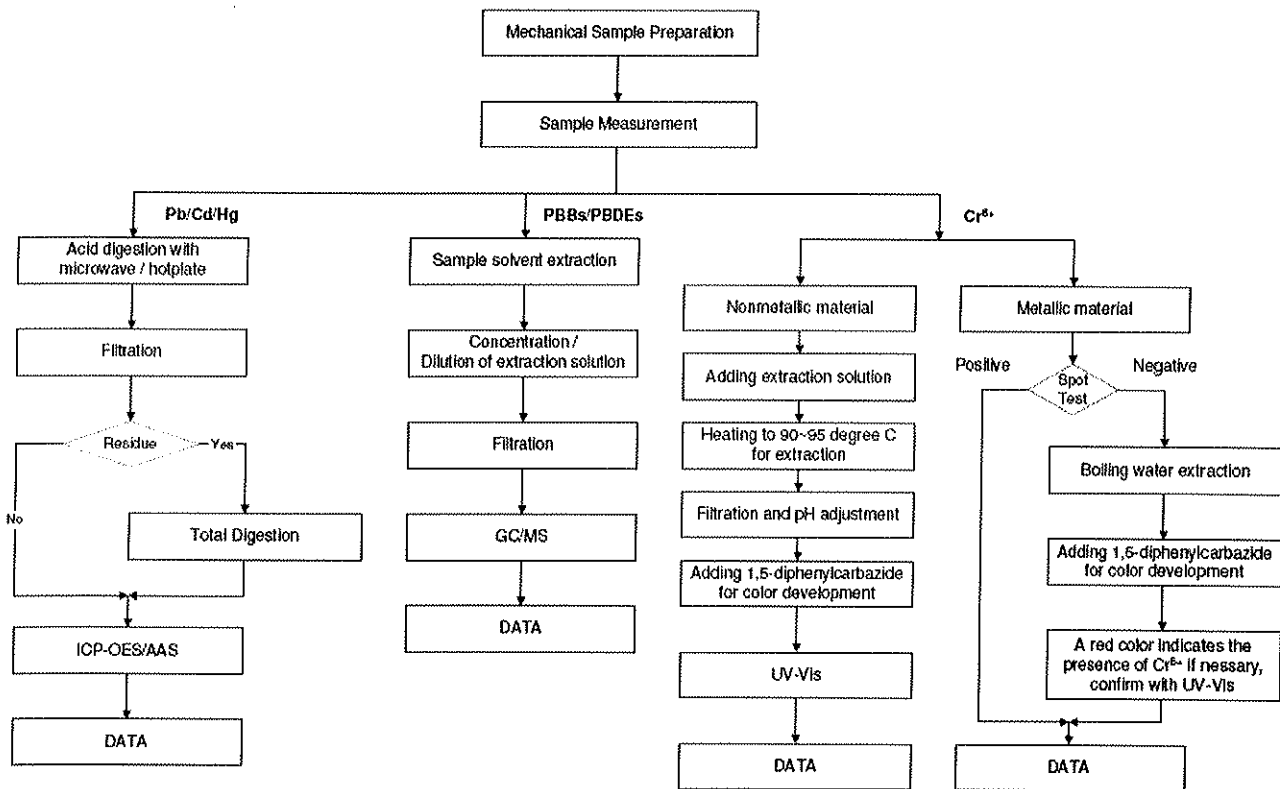
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Flow Chart for IEC 62321 : Pb/Cd/Hg/Cr⁶⁺PBBs/PBDEs Testing

1. Operator : Siam Polarwut
2. Section Chief : Patcharee Treeporncharoen
3. The sample was dissolved totally by pre-conditioning method according to below flowchart. (Cr⁶⁺ and PBBs/PBDEs test method excluded)



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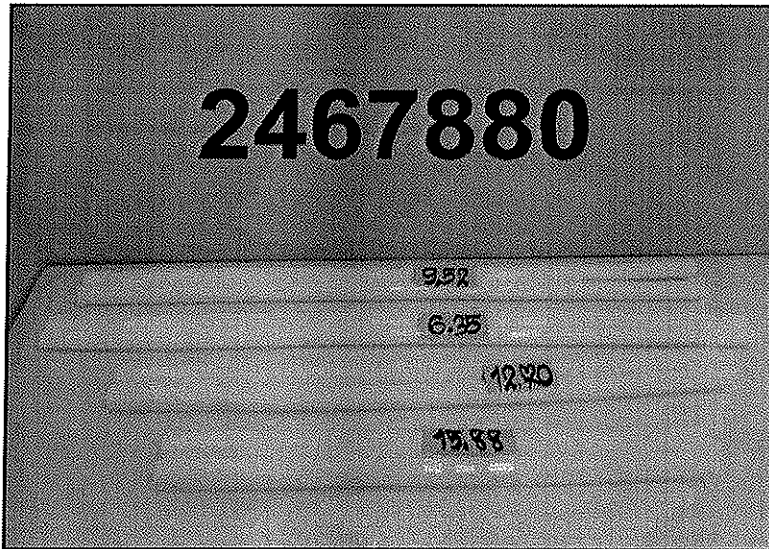
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Test Report No. 2392719

Date : 21-Jan-2013

Page 6 of 6

SAMPLE/ATTACHMENT PICTURE



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

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