

Test Report No. 2385513

Date : 9-Jan-2013

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**Client : Thai KK Industry Co.,Ltd.  
29/1 Moo 5, Soi Thummasiri, Bangna-Trad Rd.,  
Tumbol Bangsaotong,Amphur Bangsaotong, Samutprakarn 10540 Thailand**

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

Sample Description : Mirror Coated Paper Label  
Sample No. : 2460574  
Sample Condition : As per attached photograph  
Sample Receiving Date : 4-Jan-2013  
Testing Period : 07-Jan-2013 to 09-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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**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 paper sticker

**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 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 paper sticker

Note :

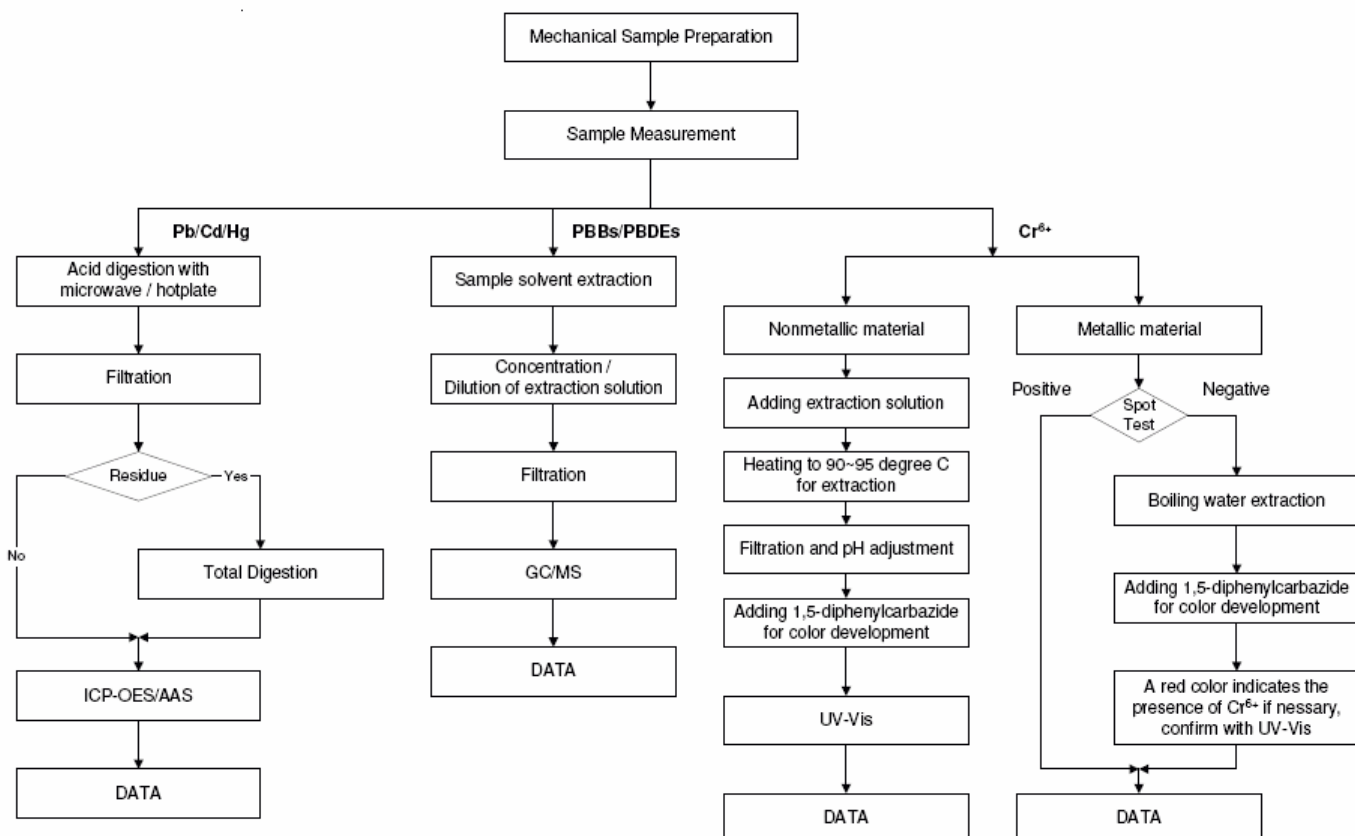
- (a) mg/kg = ppm ; 0.1 wt% = 1000 ppm
- (b) n.d. = Not Detected
- (c) MDL = Method Detection Limit
- (d) "-" = Not regulated
- (e) Test done on client submitted sample

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Flow Chart for IEC 62321 : Pb/Cd/Hg/Cr<sup>6+</sup>/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. (Cr<sup>6+</sup> and PBBs/PBDEs test method excluded)



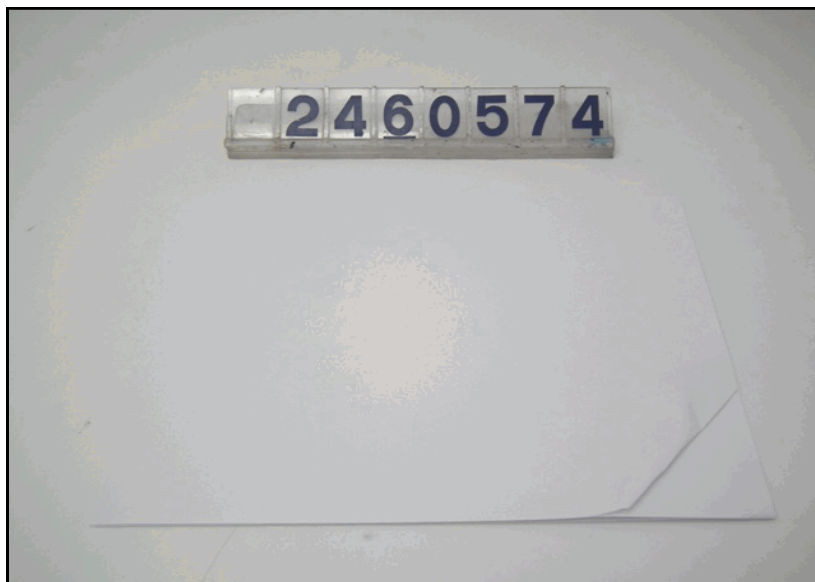
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**SAMPLE/ATTACHMENT PICTURE**



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

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