



## Test Report

No. PHL15-00373-05

Date: 18 Feb 2015

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CYPRESS MANUFACTURING LTD.

GATEWAY BUSINESS PARKSEPZ, BRGY. JAVALERA GEN. TRIAS, CAVITE

The following sample(s) was/were submitted and identified on behalf of the clients as : TDFN 8 L

MOLD COMPOUND: SUMITOMO

EME-G770HCD

ADHESIVE: HENKEL 8200T

LEADFINISH: PURE SN

BONDING WIRE: CUPD

ASSEMBLY LOCATION: UTAC

THAILAND (UTL)

SGS Sample Number: PHL15-00373.001

Received Date: 22 Jan 2015

Testing Period : 22 Jan 2015 - 18 Feb 2015

Test Performed : SGS Philippines subcontracted the testing of sample(s) selected by applicant with following results.

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).

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This report will be kept for six months from the date of issue.

Signed for and on behalf of  
SGS PHILIPPINES, INC.

**Meden L. Peneyra**

Laboratory Operations Manager

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Test Results :

### Test Part Description :

Specimen No.	SGS Sample ID	Description
1	PHL15-00373.001	mixed all parts

### ROHS DIRECTIVE 2011/65/EU

Test Method : With reference to IEC 62321-5: 2013. Determination of Cadmium and Lead by ICP-AES.  
With reference to IEC 62321-4: 2013. Determination of Mercury by ICP-AES.  
With reference to IEC 62321:2008 for Hexavalent Chromium. Analysis was performed by UV-vis Spectrophotometer.  
With reference to IEC 62321:2008. Determination of PBBs and PBDEs by GC-MS.

<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Cadmium (Cd)	mg/kg	2	ND
Lead (Pb)	mg/kg	2	13
Mercury (Hg)	mg/kg	2	ND
Hexavalent Chromium (CrVI)	mg/kg	2	ND
Sum of PBBs	mg/kg	5	ND
Monobromobiphenyl	mg/kg	5	ND
Dibromobiphenyl	mg/kg	5	ND
Tribromobiphenyl	mg/kg	5	ND
Tetrabromobiphenyl	mg/kg	5	ND
Pentabromobiphenyl	mg/kg	5	ND
Hexabromobiphenyl	mg/kg	5	ND
Heptabromobiphenyl	mg/kg	5	ND
Octabromobiphenyl	mg/kg	5	ND
Nonabromobiphenyl	mg/kg	5	ND
Decabromobiphenyl	mg/kg	5	ND
Sum of PBDEs	mg/kg	5	ND
Monobromodiphenyl ether	mg/kg	5	ND
Dibromodiphenyl ether	mg/kg	5	ND
Tribromodiphenyl ether	mg/kg	5	ND
Tetrabromodiphenyl ether	mg/kg	5	ND
Pentabromodiphenyl ether	mg/kg	5	ND
Hexabromodiphenyl ether	mg/kg	5	ND
Heptabromodiphenyl ether	mg/kg	5	ND
Octabromodiphenyl ether	mg/kg	5	ND
Nonabromodiphenyl ether	mg/kg	5	ND

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<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Decabromodiphenyl ether	mg/kg	5	ND

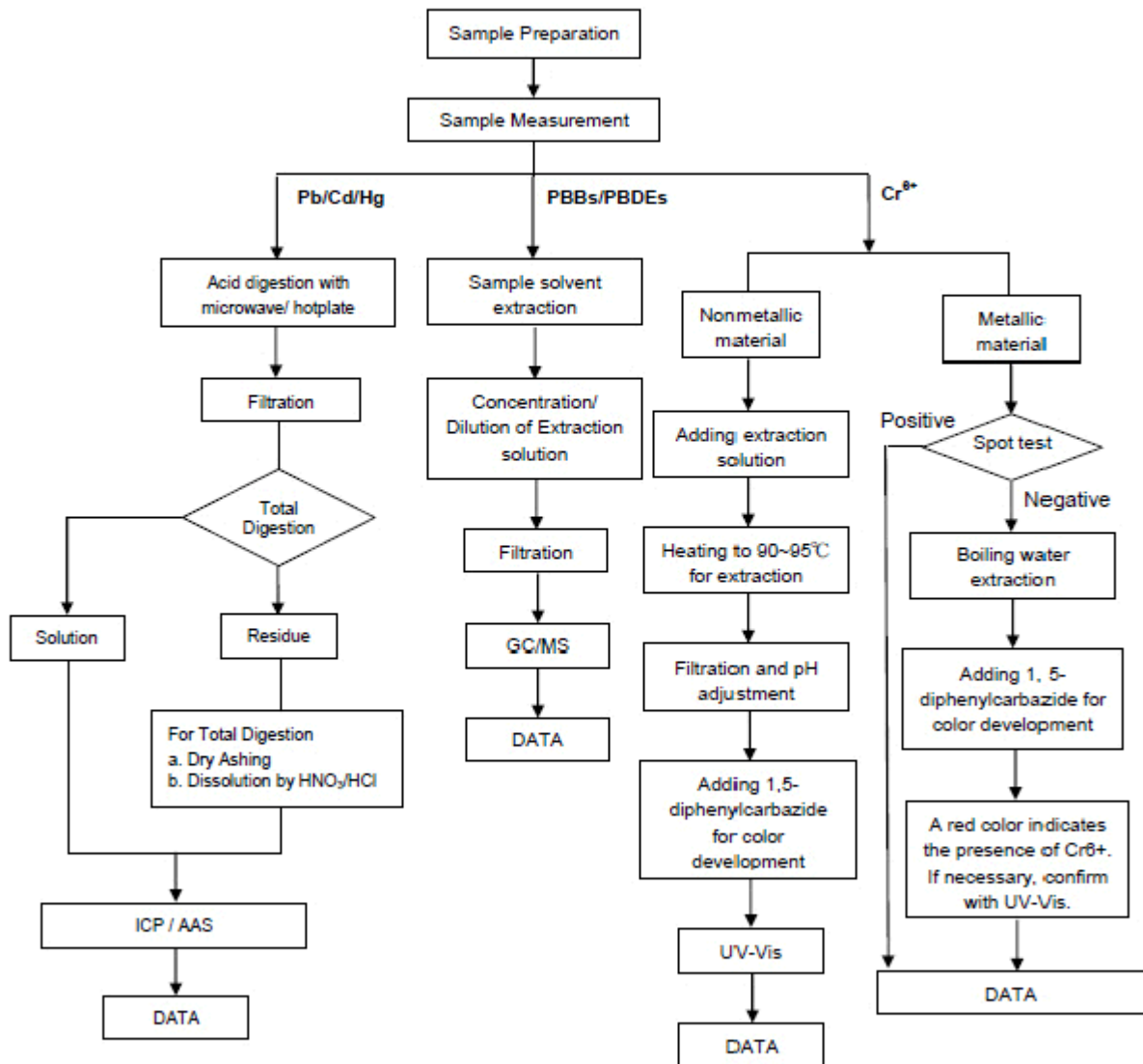
### Notes :

1. mg/kg = ppm  $\square$  0.1wt% = 1000ppm
2. ND = Not Detected
3. MDL = Method Detection Limit
4. " - " = Not Regulated
5. Analyses were subcontracted to SGS Taiwan, Ltd.
6. The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value.

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## Analysis Flowchart of 6 Banned Substances



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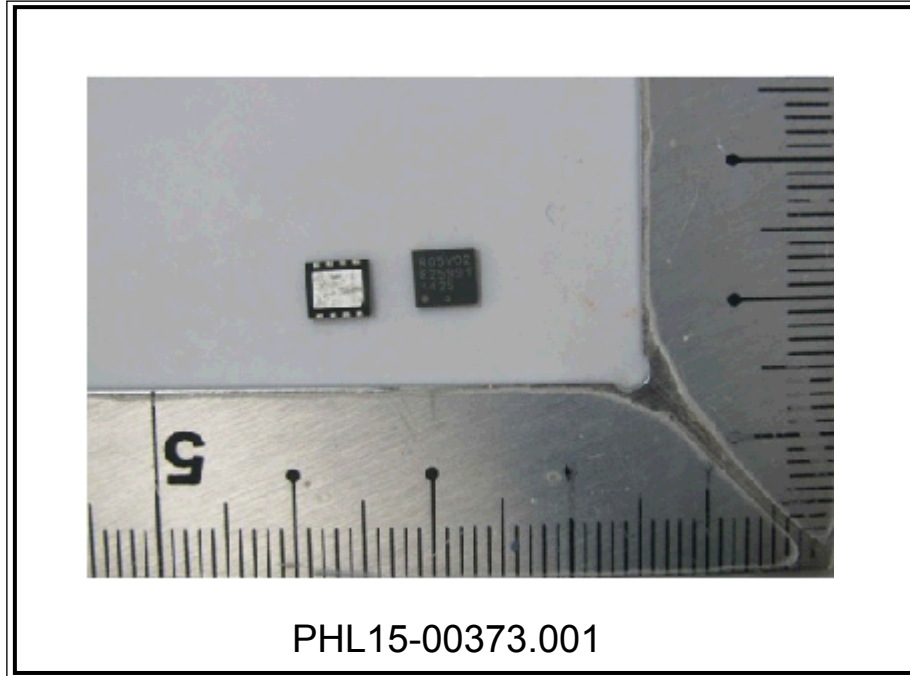
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Sample photo:



SGS authenticate the photo on original report only

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

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