



Test Report

No. PHL15-00373-04

Date: 05 Feb 2015

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CYPRESS MANUFACTURING LTD.

GATEWAY BUSINESS PARK SEPZ, BRGY. JAVALERA GEN. TRIAS, CAVITE

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

MOLD COMPOUND: SUMITOMO

G600

ADHESIVE: HENKEL 8600

LEADFINISH: PURE SN

BONDING WIRE: CUPD WIRE

ASSEMBLY LOCATION: UTAC

THAILAND (UTL)

SGS Sample Number: PHL15-00373.002

Received Date: 22 Jan 2015

Testing Period : 22 Jan 2015 - 05 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).

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	PHL15-00373.002	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>002</u>
Cadmium (Cd)	mg/kg	2	ND
Lead (Pb)	mg/kg	2	14
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>002</u>
Decabromodiphenyl ether	mg/kg	5	ND

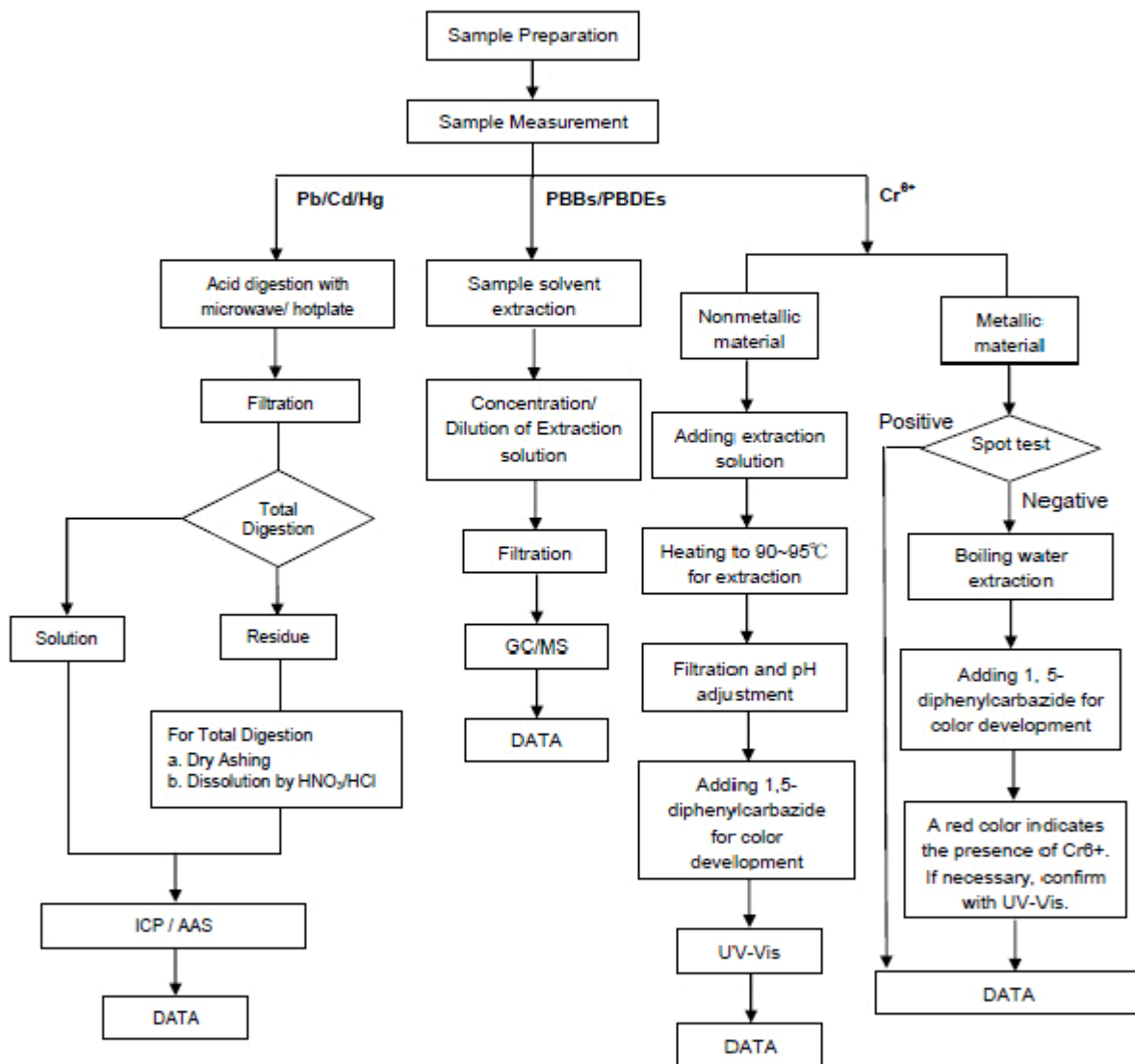
Notes :

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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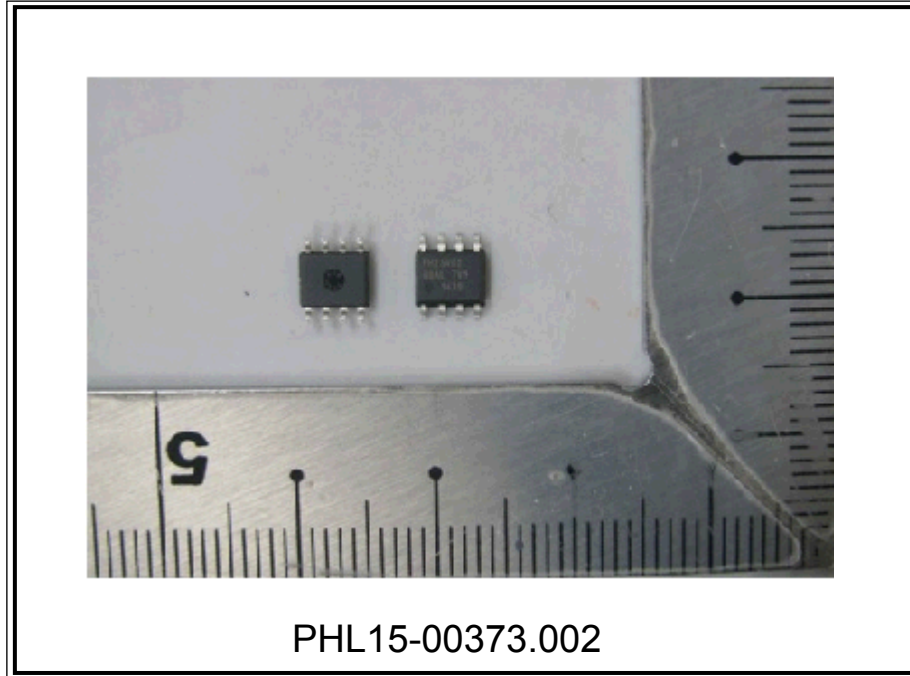
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Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

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