

CYPRESS MFG. LTD.

Gateway Business Park, SEPZA, Barangay
Javelera, General Trias, Cavite

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

Product Name : TSSOP (ZZ 8, 16, 20, 24, 28, 38)
Assembly site: Amkor Phils.
Lead Finish: Pure Sn
Die attach: 8290
Mold Compound: G700K

SGS Sample No. : 05657

Received Date : March 24, 2009

Test Performing Date : March 24 to April 1, 2009

Test Performed : SGS Philippines tested the 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 Result(s) : Please refer to next page(s).

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

Checked by

Signed for and on behalf of
SGS PHILIPPINES, INC.


MIRASOL D. PICO

Operations and Marketing Executive


BERNARDITA T. RODRIGUEZ
Manager

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L 43902

Test Report

No.: L-09/1327

Date: April 1, 2009

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Sample No. : 05657
Physical Description : IC units
Item / Part No. : TSSOP (ZZ8, 16, 20, 24, 28, 38)

RoHS Directive 2002/95/EC

Test Item(s):	Unit	Test Method	Result	MDL
Cadmium(Cd)	mg/kg	With reference to IEC 62321:2008. Analysis was performed by Inductively Coupled Plasma (ICP-AES)	ND	2
Lead (Pb)	mg/kg	With reference to IEC 62321:2008. Analysis was performed by Inductively Coupled Plasma (ICP-AES)	ND	2
Mercury (Hg)	mg/kg	With reference to IEC 62321:2008. Analysis was performed by Inductively Coupled Plasma (ICP-AES)	ND	2
Hexavalent Chromium (CrVI)	mg/kg	With reference to IEC 62321:2008. Analysis was performed by UV/Vis Spectrometry	ND	2
Sum of PBBs	mg/kg	With reference to IEC 62321:2008. Determination of PBB and PBDE by GC/MS.	ND	-
Monobromobiphenyl	mg/kg		ND	5
Dibromobiphenyl	mg/kg		ND	5
Tribromobiphenyl	mg/kg		ND	5
Tetrabromobiphenyl	mg/kg		ND	5
Hexabromobiphenyl	mg/kg		ND	5
Pentabromobiphenyl	mg/kg		ND	5
Heptabromobiphenyl	mg/kg		ND	5
Octabromobiphenyl	mg/kg		ND	5
Nonabromobiphenyl	mg/kg		ND	5
Decabromobiphenyl	mg/kg		ND	5
Sum of PBDEs	mg/kg		ND	-
Monobromodiphenyl ether	mg/kg		ND	5
Dibromodiphenyl ether	mg/kg		ND	5
Tribromodiphenyl ether	mg/kg		ND	5
Tetrabromodiphenyl ether	mg/kg		ND	5
Pentabromodiphenyl ether	mg/kg		ND	5
Hexabromodiphenyl ether	mg/kg		ND	5
Heptabromodiphenyl ether	mg/kg		ND	5
Octabromodiphenyl ether	mg/kg		ND	5
Nonabromodiphenyl ether	mg/kg		ND	5
Decabromodiphenyl ether	mg/kg		ND	5

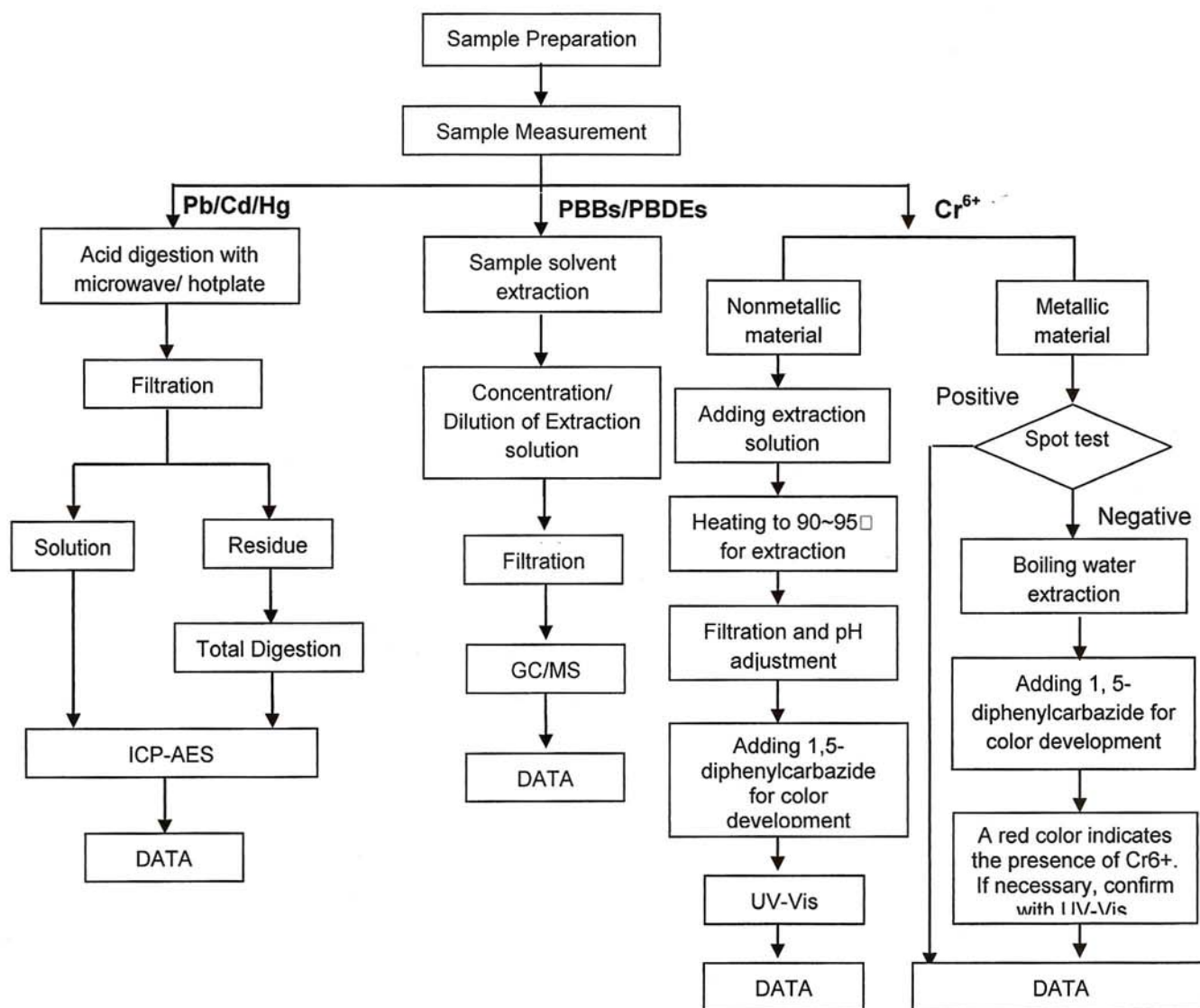
...over...

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L 43903

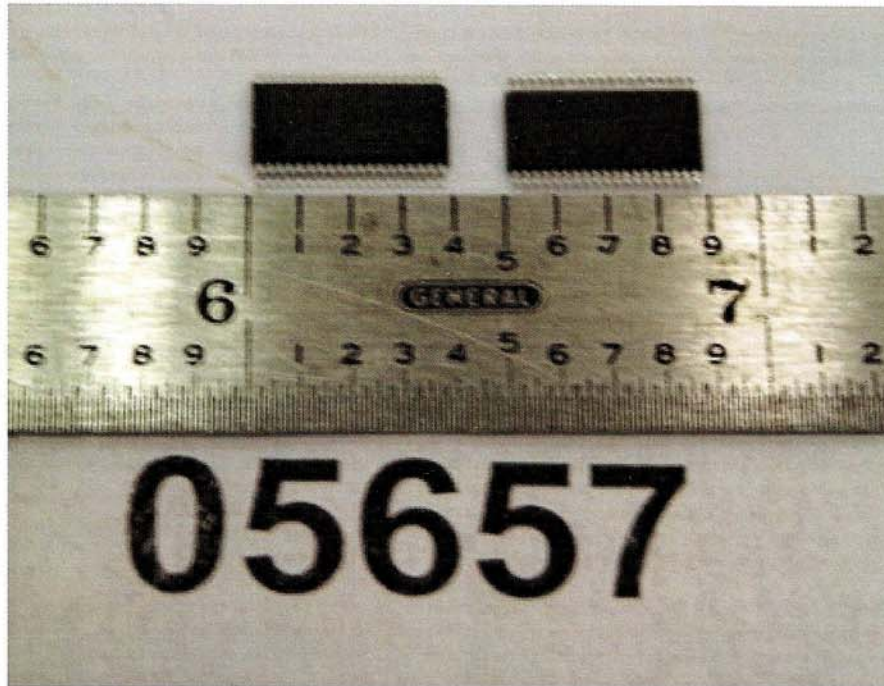
- Note :
- (1) mg/kg = ppm ; 0.1wt% = 1000ppm
 - (2) N.D. = Not detected
 - (3) MDL = Method Detection Limit
 - (4) "-" = Not regulated
 - (5) The maximum permissible limit is quoted from the document 2005/618/EC amending RoHS directive 2002/95/EC.
 - (6) Analyses were subcontracted to SGS Taiwan, Ltd.
 - (7) Composite testing of all components as requested by the client.

ANALYSIS FLOWCHART OF 6 Banned Substances



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L 43905