

CYPRESS MANUFACTURING LTD.

Gateway Business Park SEPZA,
Brgy. Javalera, Gen. Trias, Cavite

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

Product Name : ZT48, ZW32, ZW44, ZW54, AZ32, AZ48, AZ44, AZ52, AZ64, AZ80, AZ100, AZ120, AZ128, AZ144, AZ160, AZ176, AY64
Assembly Site: ASE Taiwan
Lead Finish: Pure Sn
Mold Compound: 9200THF
Die Attach: 8340

SGS Sample No. : 23007

Received Date : November 19, 2009

Test Performing Date : November 19 to December 2, 2009

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 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.

Signed for and on behalf of
SGS PHILIPPINES, INC.


MEDEN L. PENEYRA
Operations Manager

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Test Report

No.: L-09/5400C

December 2, 2009

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Sample No. : 23007
Physical Description : IC units
Item / Part No. : ZT48, ZW32, ZW44, ZW54, AZ32, AZ48, AZ44, AZ52, AZ64, AZ80, AZ100, AZ120, AZ128, AZ144, AZ160, AZ176, AY64

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 ICP-AES	ND	2
Lead (Pb)	mg/kg	With reference to IEC 62321:2008. Analysis was performed by ICP-AES	ND	2
Mercury (Hg)	mg/kg	With reference to IEC 62321:2008. Analysis was performed by 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

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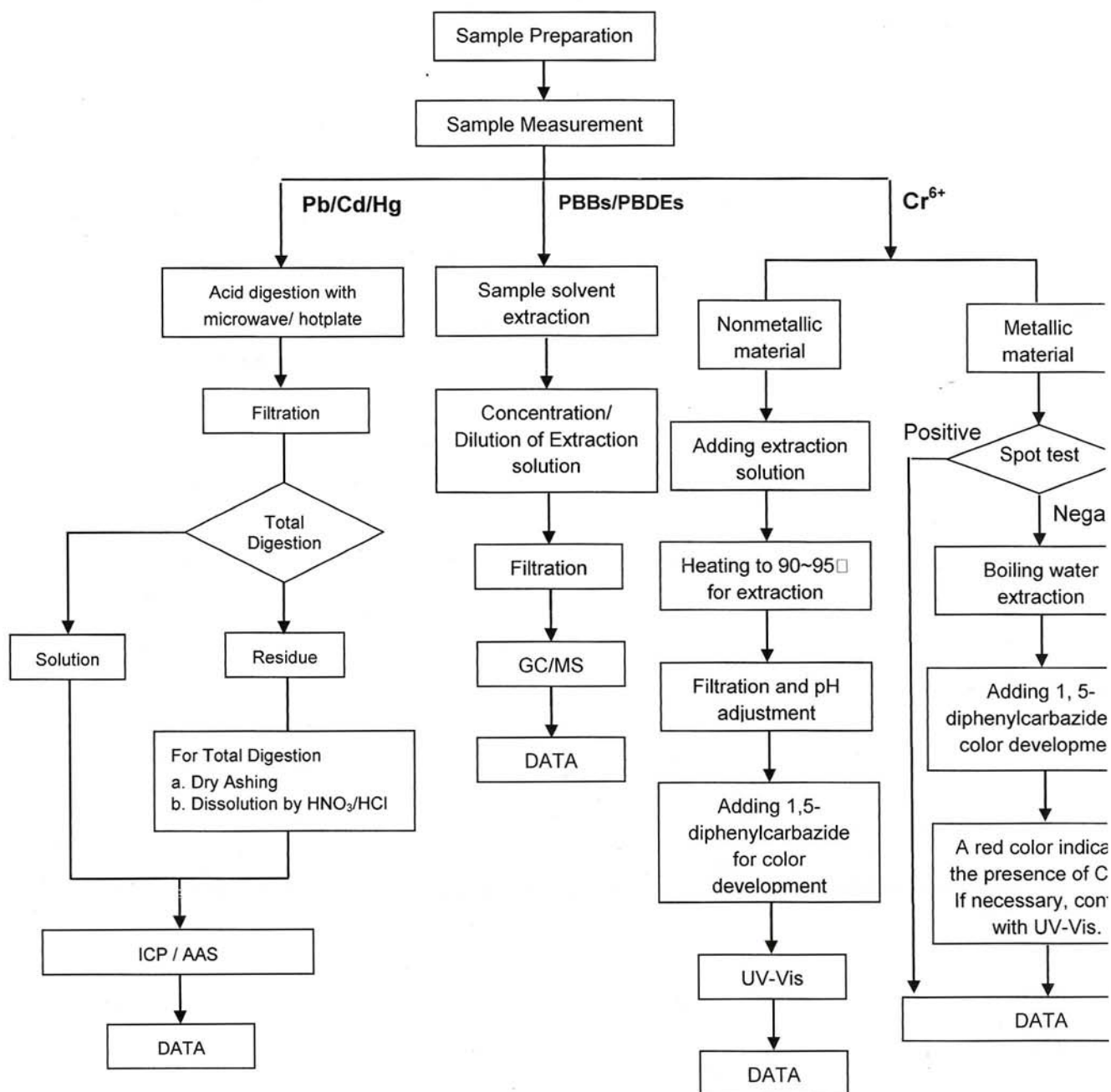
L 55968

- 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.

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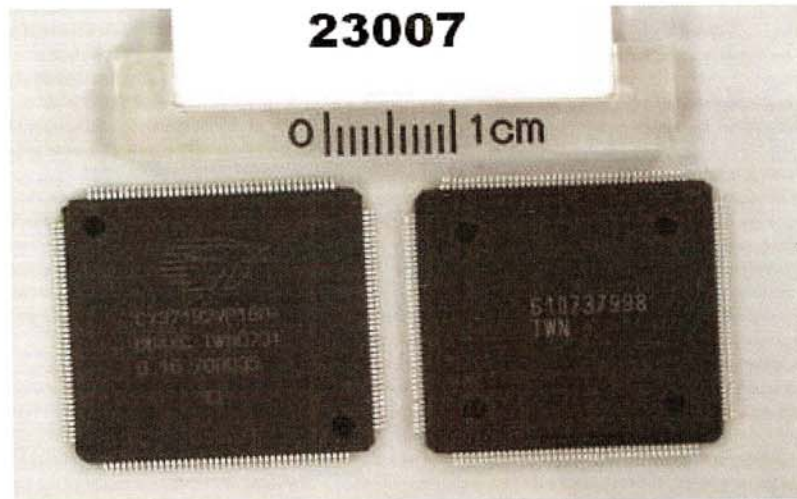
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ANALYSIS FLOWCHART OF 6 Banned Substances



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Sample Photo (As Received):



...End of Report...

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