

**Client : Microchip Technology (Thailand) Co.,Ltd.
14 Moo 1,
T.Wangtakhien, A.Muang Chachengsao, Chachoengsao 24000 Thailand**

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

Sample Description : 08L DFN 3x3
Sample No. : 1529711
Sample Condition : As per attached photograph
Part No. : GEAG14A7XA33
Batch/Lot No. : 073000023000NSEB
Manufacturer/Vendor : Microchip Technology (Thailand) Co.,Ltd.
Buyer's Name : Microchip Technology (Thailand) Co.,Ltd.
Sample Receiving Date : 21-Jul-2008
Testing Period : 21-Jul-2008 to 24-Jul-2008

Test Requested : In accordance with the RoHS Directive 2002/95/EC and its amendment directives

Test Method : (1) With reference to EPA Method 3050B for Lead Content. Analysis was performed by ICP-OES.
(2) With reference to BS EN1122: 2001, Method B for Cadmium Content. Analysis was performed by ICP-OES.
(3) With reference to EPA Method 3052 for Mercury Content. Analysis was performed by ICP-OES.
(4) With reference to EPA Method 3060A & 7196A for Hexavalent Chromium. Analysis was performed by UV/Vis Spectrometry.
(5) With reference to USEPA 3540C for PBB/PBDE content. Analysis was performed by GC/MS.

Test Results : Please refer to next page.

**Signed for and on behalf of
SGS (Thailand) Limited**



**Pornpana Lirathpong
Hardlines Testing Manager**

TEST RESULTS

Test results by chemical method (Unit: mg/kg)

Test Item (s):	Method (Refer to)	Result (1)	MDL	RoHS Limit
Lead (Pb)	(1)	14	2	1000
Cadmium (Cd)	(2)	n.d.	2	100
Mercury (Hg)	(3)	n.d.	2	1000
Hexavalent Chromium (CrVI)	(4)	n.d.	2	1000
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) mixed all parts

Note :

- (1) mg/kg = ppm ; 0.1 wt% = 1000 ppm
- (2) n.d. = Not Detected
- (3) MDL = Method Detection Limit
- (4) ## = The exemption of DecaBDE in polymeric application according 2005/17/EC was overruled by the European Court of Justice by its decision of 01.04.2008. Subsequently DecaBDE will be included in the sum of PBDE after 01.07.2008
- (5) "-" = Not regulated

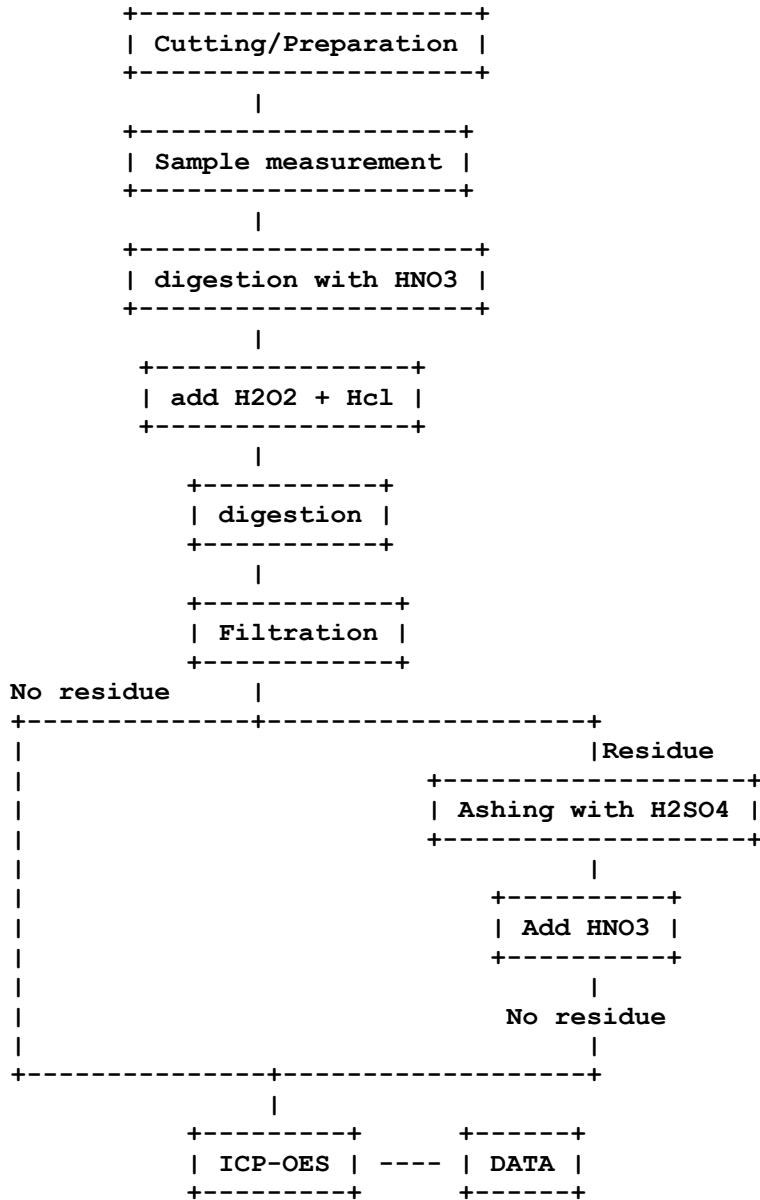
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Flow chart of digestion (EPA 3050B for Pb)



The samples were dissolved totally by pre-conditioning method according to above flow chart.

Operator : Siam Polarwut
 Section Chief : Laddawan Uranpitr

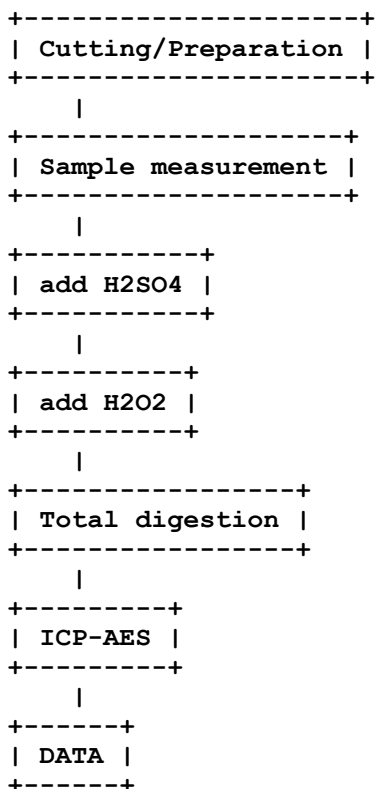
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Flow chart of digestion (EN 1122 Method B for Cd)



The samples were dissolved totally by pre-conditioning method according to above flow chart.

Operator : Siam Polarwut
 Section Chief : Laddawan Uranpitr

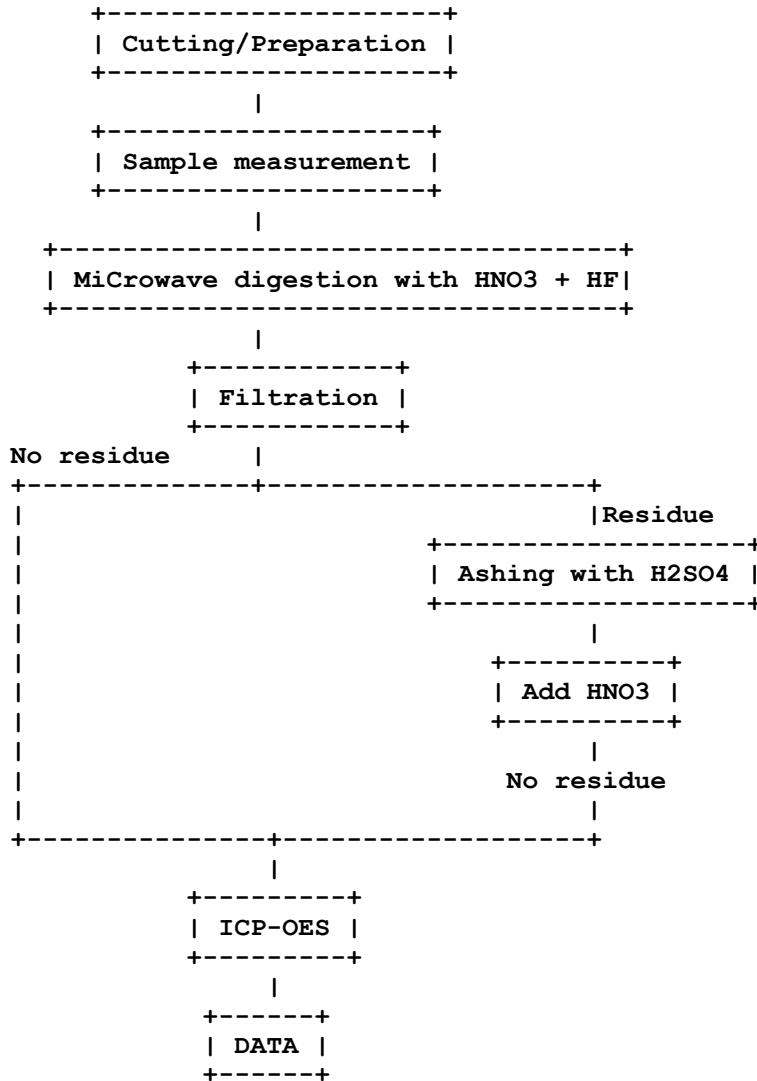
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Flow chart of digestion (EPA 3052 for Hg)



The samples were dissolved totally by pre-conditioning method according to above flow chart.

Operator : Siam Polarwut
 Section Chief : Laddawan Uranpitr

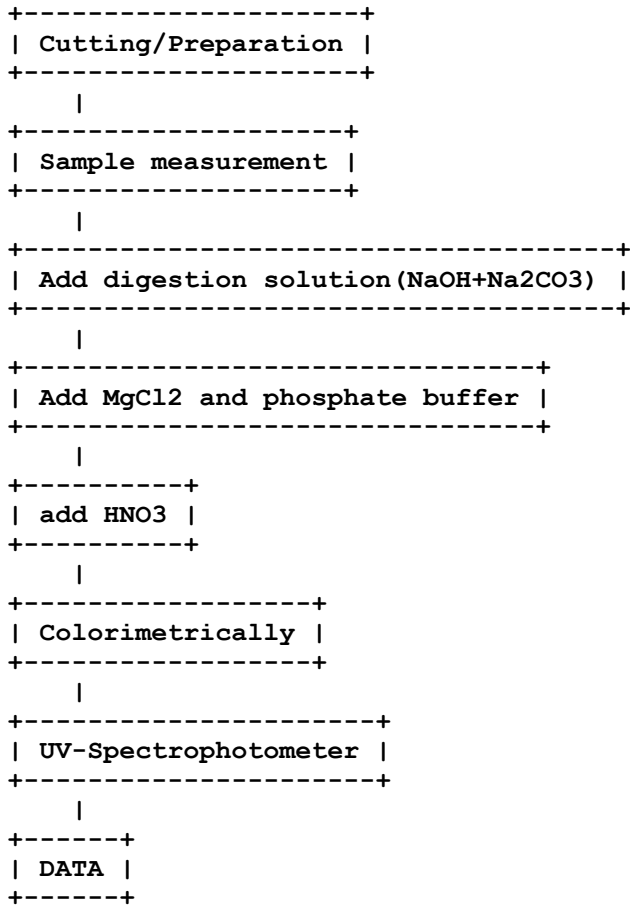
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Flow chart of digestion (EPA 3060A,7196A for Cr(VI))



Operator : Varaporn Chaihanit
Section Chief : Laddawan Uranpitr

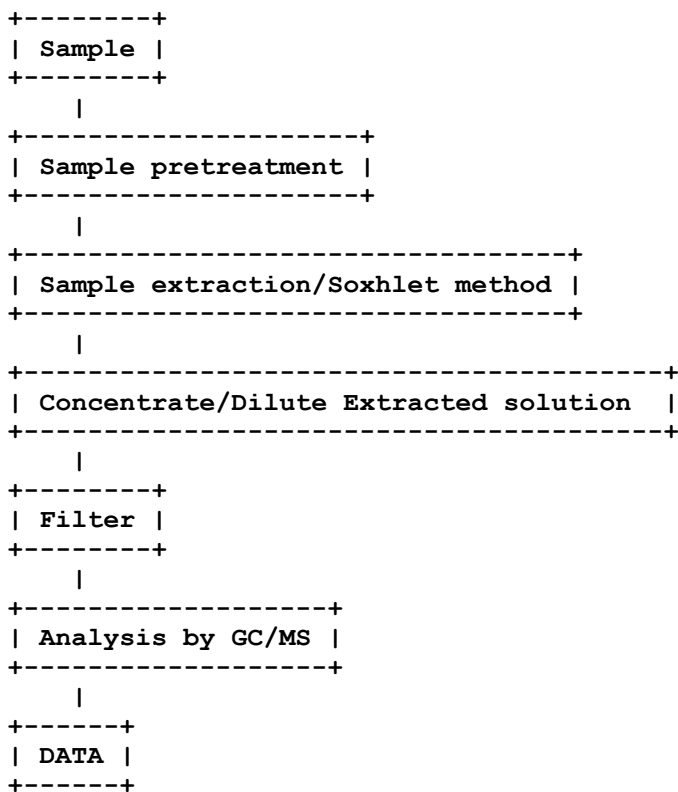
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Flow chart of PBBs/PBDEs



Operator : Prapapan Puengpatiparn

Section Chief : Sul kifli Mama

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SAMPLE/ATTACHMENT PICTURE



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