



Test Report No. F690501/LF-CTSAYA08-03223 Issued Date: February 04, 2008 Page 1 of 4

To: **ACQUTEK SEMICONDUCTOR & TECHNOLOGY.**
#493-3
Sungsung-dong
Cheonan-city
CHUNGNAM
Korea

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

Product Name : Lead Frame
SGS File No. : AYA08-03223
Received Date : January 29, 2008
Test Performing Date : January 30, 2008
Test Performed : SGS Testing Korea 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).
Conclusion : Based on the performed tests on submitted sample(s), the results **comply with the** RoHS Directive 2002/95/EC and its subsequent amendments.
Buyer(s) : AMKOR
Comments : The sampling and testing was performed only for the part indicated in the photo without disassembly by the applicant's specific request.

SGS Testing Korea Co., Ltd.

Pluto Kim
Jinee Song
Billy Oh/Testing Person

Jeff Jang / Technical Mgr



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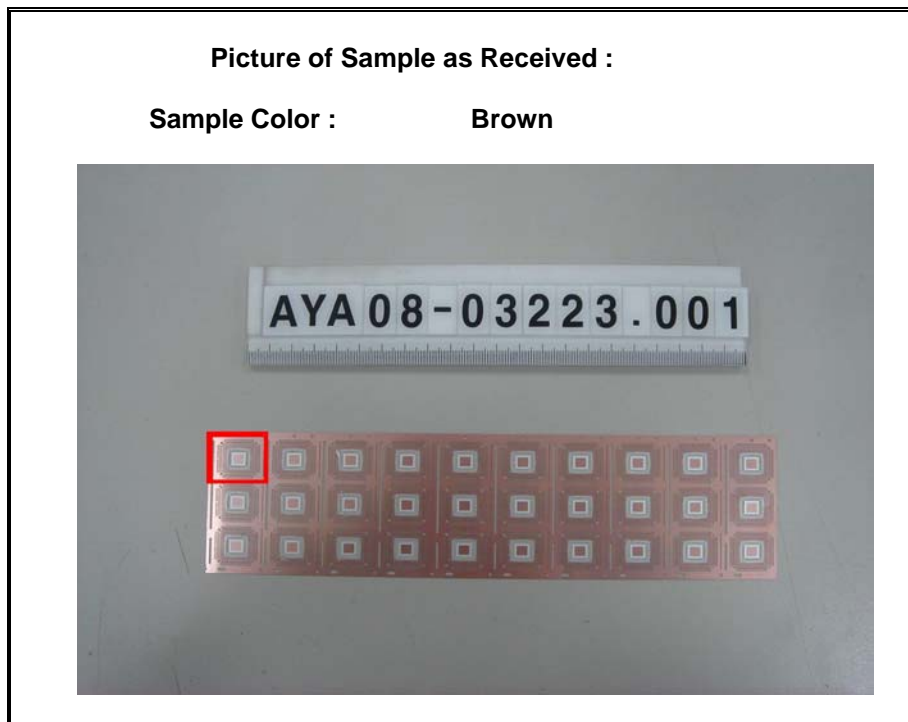
Sample No. : AYA08-03223.001
Sample Description : Lead Frame
Item / Part No. : C-18045
Comments : Material is Cu.

RoHS Directive 2002/95/EC

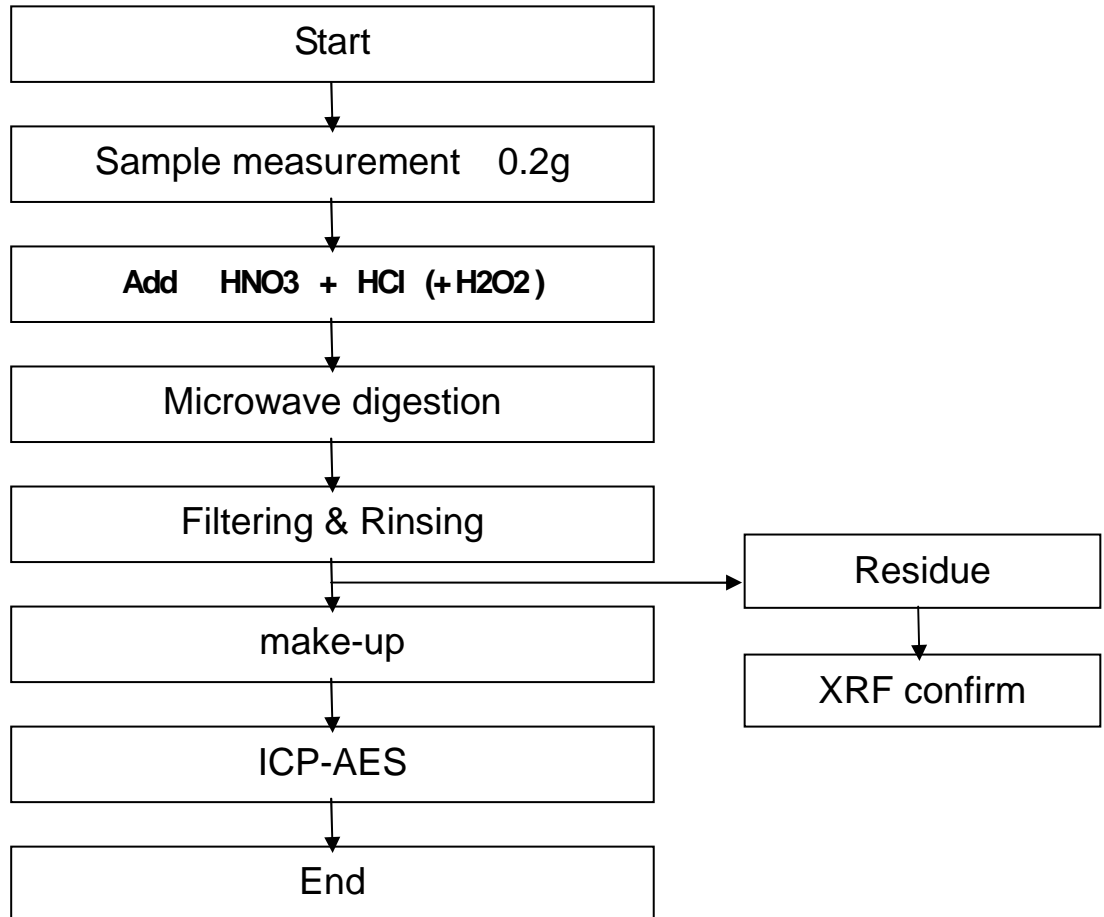
Test Item(s):	Unit	Test Method	Result	MDL	Limit
Cadmium(Cd)	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), ICP-OES	N.D.	0.5	100
Lead (Pb)	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), ICP-OES	N.D.	5	1000
Mercury (Hg)	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), ICP-OES	N.D.	2	1000
Hexavalent Chromium(CrVI)	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), UV-VIS	-	1	1000
Hexavalent Chromium(CrVI) by boiling water extraction	-	IEC 62321/2 nd CDV (111/95/CDV),	Negative	-	#
Sum of PBBs	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), GC-MS	N.D.	-	1000
Monobromobiphenyl	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), GC-MS	N.D.	5	-
Dibromobiphenyl	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), GC-MS	N.D.	5	-
Tribromobiphenyl	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), GC-MS	N.D.	5	-
Tetrabromobiphenyl	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), GC-MS	N.D.	5	-
Hexabromobiphenyl	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), GC-MS	N.D.	5	-
Pentabromobiphenyl	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), GC-MS	N.D.	5	-
Heptabromobiphenyl	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), GC-MS	N.D.	5	-
Octabromobiphenyl	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), GC-MS	N.D.	5	-
Nonabromobiphenyl	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), GC-MS	N.D.	5	-
Decabromobiphenyl	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), GC-MS	N.D.	5	-
Sum of PBDEs (Mono to Nona)(Note (4))	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), GC-MS	N.D.	-	1000
Monobromodiphenyl ether	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), GC-MS	N.D.	5	-
Dibromodiphenyl ether	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), GC-MS	N.D.	5	-
Tribromodiphenyl ether	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), GC-MS	N.D.	5	-
Tetrabromodiphenyl ether	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), GC-MS	N.D.	5	-
Pentabromodiphenyl ether	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), GC-MS	N.D.	5	-
Hexabromodiphenyl ether	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), GC-MS	N.D.	5	-
Heptabromodiphenyl ether	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), GC-MS	N.D.	5	-
Octabromodiphenyl ether	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), GC-MS	N.D.	5	-
Nonabromodiphenyl ether	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), GC-MS	N.D.	5	-
Decabromodiphenyl ether	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), GC-MS	N.D.	5	-
Sum of PBDEs (Mono to Deca)	mg/kg	IEC 62321/2 nd CDV (111/95/CDV), GC-MS	N.D.	-	-

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- Note :
- (1) mg/kg = ppm ; 0.1wt% = 1000ppm
 - (2) N.D. = Not detected.
 - (3) MDL = Method Detection Limit
 - (4) Sum of Mono to NonaBDE. According to 2005/717/EC DecaBDE is exempt in polymer applications.
 - (5) # : Positive means the presence of CrVI on the tested areas
Negative means the absence of CrVI on the tested areas
 - (6) "-" = Not regulated
 - (7) * : Exceeds limit



FLOW CHART OF DIGESTION (1)



Operator Dami Yeom

Section Chief Jeff Jang

*** End of Report ***