



Test Report No. F690501/LF-CTSAYA08-03222 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. : AYA08-03222
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. : AYA08-03222.001
Sample Description : Lead Frame
Item / Part No. : C-7025
Comments : Material is Cu.

RoHS Directive 2002/95/EC

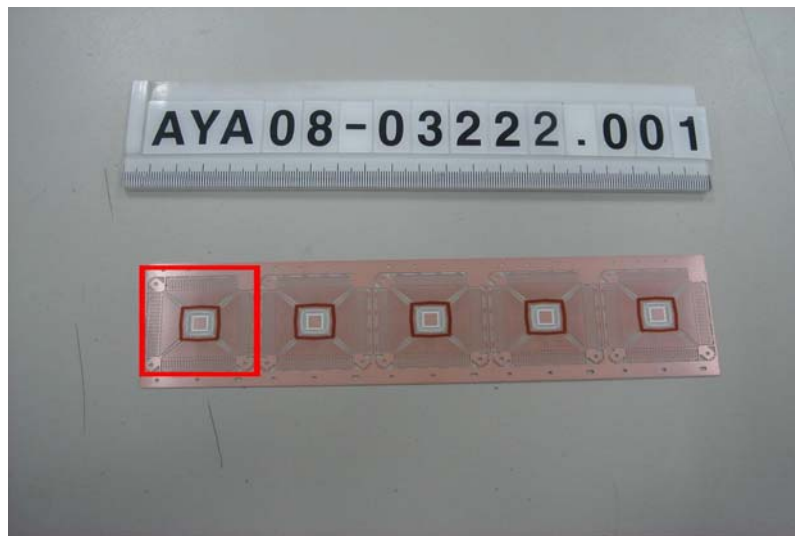
| Test Item(s): | Unit | Test Method | Result | MDL | Limit |
|--|-------|--|----------|-----|-------|
| Cadmium(Cd) | mg/kg | IEC 62321/2 nd CDV (111/95/CDV), ICP-OES | N.D. | 0.5 | 100 |
| Lead (Pb) | mg/kg | IEC 62321/2 nd CDV (111/95/CDV), ICP-OES | N.D. | 5 | 1000 |
| Mercury (Hg) | mg/kg | IEC 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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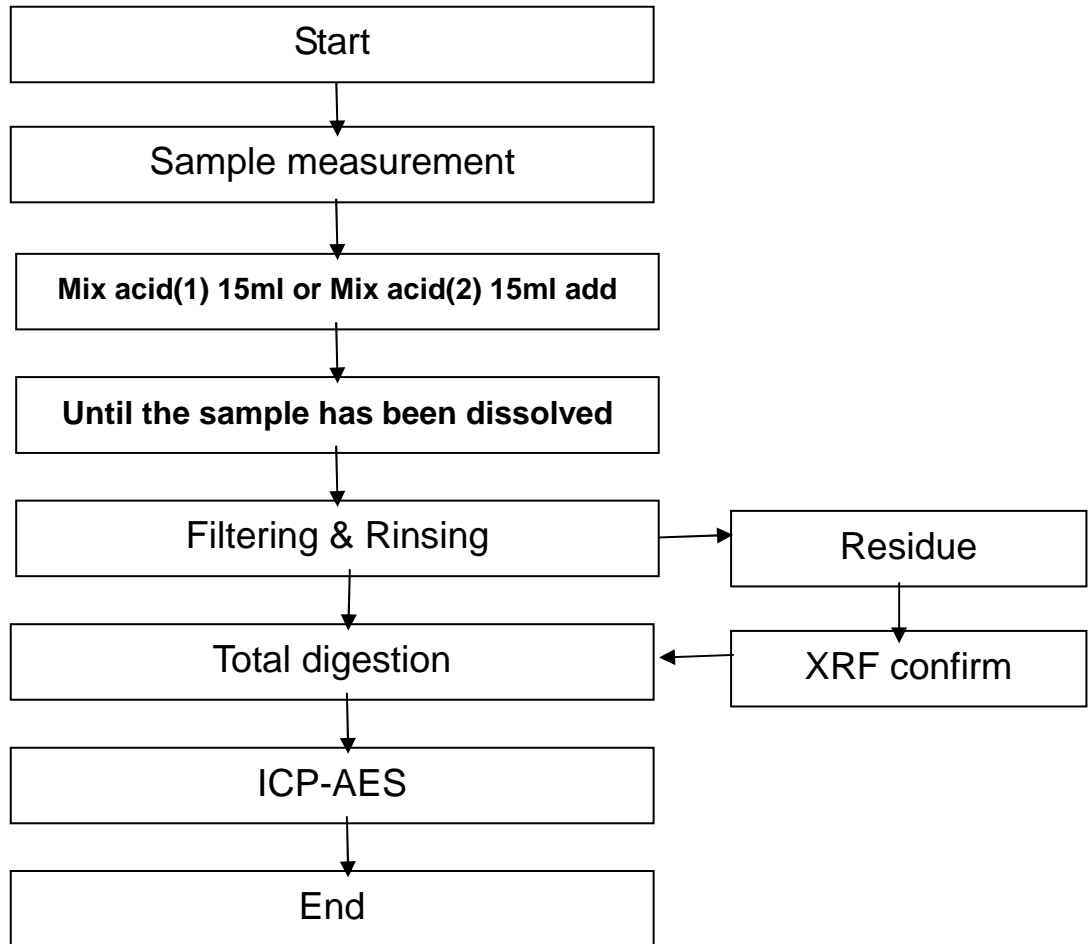
- Note :
- (1) mg/kg = ppm ; 0.1wt% = 1000ppm
 - (2) N.D. = Not detected.
 - (3) MDL = Method Detection Limit
 - (4) Sum of Mono to NonaBDE. According to 2005/717/EC DecaBDE is exempt in polymer applications.
 - (5) # : Positive means the presence of CrVI on the tested areas
Negative means the absence of CrVI on the tested areas
 - (6) "-" = Not regulated
 - (7) * : Exceeds limit

Picture of Sample as Received :

Sample Color : Brown



FLOW CHART OF DIGESTION (IEC-6)



Operator Dami Yeom

Section Chief Jeff Jang

*** End of Report ***