

Test Report

No. LPCI/02080/09
CTS Ref. CTS/09/0436/ASJ

Date : 12/02/2009

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ASJ COMPONENTS (M) SDN. BHD.
PTD 37440 JALAN PERINDUSTRIAN SENAI 3, KAWASAN PERINDUSTRIAN SENAI FASA 2,
81400 SENAI, JOHOR DARUL TAKZIM, MALAYSIA.

The following merchandise was (were) submitted and identified by the client as:

Sample Description : CR 50 – Chip Resistor 2010
Sample Receiving Date : 05/02/2009
Testing Period : 05/02/2009 to 12/02/2009

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

Test Method : (1) With reference to BS EN 1122:2001, Method B for Cadmium Content.
Analysis was performed by ICP
(2) With reference to EPA Method 3051A for Lead Content.
Analysis was performed by ICP
(3) With reference to EPA Method 3051A for Mercury Content.
Analysis was performed by ICP
(4) With reference to EPA Method 3060A & 7196A for Hexavalent Chromium.
Analysis was performed by UV/Vis Spectrophotometry.
(5) With reference to EPA Method 3540C/3550B for PBB / PBDE Content.
Analysis was performed by GC/MS.

Test Results : Please refer to next page.

Analysts : Lim Meng Hoe & Jocelyn Christmas

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LAB MANAGER

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

| Test Item(s): | Method (refer to) | Result | MDL |
|---|-------------------|--------|-----|
| Cadmium(Cd) | (1) | N.D. | 2 |
| Lead (Pb) | (2) | 4160 | 2 |
| Mercury (Hg) | (3) | N.D. | 2 |
| Hexavalent Chromium (CrVI) by alkaline extraction | (4) | N.D. | 2 |
| Sum of Polybrominated Biphenyl (PBBs) | (5) | N.D. | - |
| 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 |
| Sum of Polybrominated Diphenylethers (PBDEs) | | N.D. | - |
| 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 :

As per page 3

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Test Part Description :

Sample Description : CR 50 – Chip Resistor 2010

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LPCI/02080/09



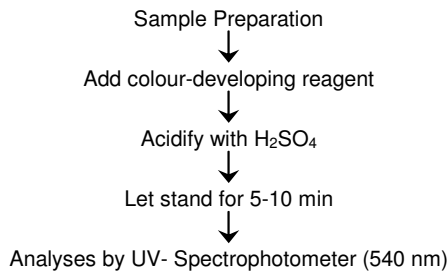
Note : (a) mg/kg = ppm
(b) N.D. = Not Detected
(c) MDL = Method Detection Limit

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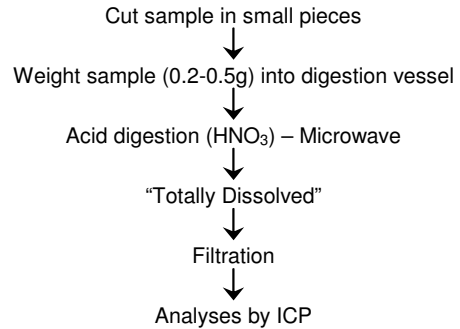
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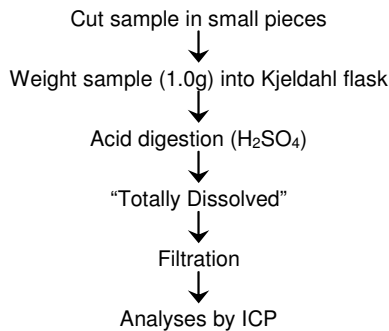
1. DETERMINATION OF HEXAVALENT CHROMIUM BY METHOD US EPA 3060A/7196A



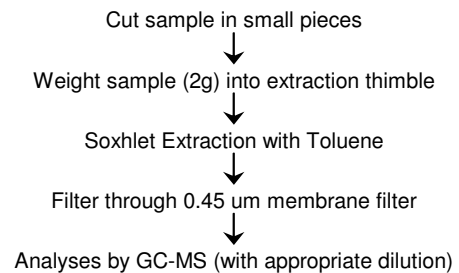
2. MICROWAVE ASSISTED ACID DIGESTION OF ORGANICALLY BASED METRICES (US EPA 3051A)



3. PLASTIC – DETERMINATION OF CADMIUM – WET DECOMPOSITION METHOD (EN 1122) – METHOD B

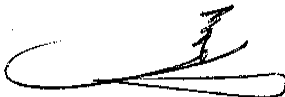


4. DETERMINATION OF PBB/PBDE WITH GC-MS



**** End of Report ****

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