

SHENZHEN HAOHAI ELECTRONICS CO.,LTD.

A502~503 Room Huafeng Busines Eusines Qianjin Road,25-Sechtiin,Baoan,Shenzhen,Guangdong

Report the submitted sample sald to be TRANSISTOR Client Refererce:

TO-92、TO-126、TO-202、TO-220、TO-251、TO-252、TO-3P、TOP3、SOT-23、SOT-89、SOT-223


SGS Ref No. : SZ10037335-5.4
Buyer : SONY
Sample Receiving Date : AUG 14, 2008
Further Information Receiving Date : AUG 15, 2008
Testing Period : AUG 14, 2008 TO AUG 21, 2008

Test Requested : (1) As specified by client, sample 1&2:to determine the Lead, Cadmium, Mercury & Hexavalent Chromium content in the submitted sample.
(2) Sample 1:Determination of PBBs (Polybrominated Biphenyls), PBDEs (Polybrominated Diphenylethers) of the submitted sample.

Test method : (1) Sample 1:
Lead & Cadmium content - With reference to EPA 3052: 1996 see flowchart.
Mercury content - With reference to EPA 3052: 1996 & EPA 7473: 1998.
Hexavalent Chromium content - With reference to EPA 3060A: 1996 & EPA 7196A: 1992.
Sample 2:
Lead content - With reference to EPA 3050B: 1996 & other acid digestion.
Cadmium content - With reference to BS EN1122: 2001 method B & other acid digestion.
Mercury content - With reference to EPA 3052: 1996 & other acid digestion.
Hexavalent Chromium content - As specified by client, with reference to EPA 3060A: 1996 & EPA 7196A: 1992.
Analysis was performed by Atomic Absorption Spectrometer & Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES) & UV-VIS Spectrophotometer.
(2) With reference to EPA 3540C & EPA 3550C. Analysis was performed by GC-MS.

Results : Please refer to next page.

Signed for and on behalf of
SGS-CSTC Ltd.


Zhang Li, Amy
Sr. Engineer

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Results :

(1)

Item	Unit	MDL	No.1	No.2
Lead Content (Pb)	mg/kg	2	N.D.	4
Cadmium Content (Cd)	mg/kg	2	N.D.	N.D.
Mercury Content (Hg)	mg/kg	2	N.D.	N.D.
Hexavalent Chromium Content [Cr(VI)]	mg/kg	2	N.D.	N.D.

Note : - N.D. = Not Detected (< MDL)
 - MDL = Method Detection Limit
 - mg/kg = ppm

(2)

Item	Unit	MDL	No.1
Flame Retardants			
Polybrominated Biphenyls (PBBs)			
Monobromobiphenyl	mg/kg	5	N.D.
Dibromobiphenyl	mg/kg	5	N.D.
Tribromobiphenyl	mg/kg	5	N.D.
Tetrabromobiphenyl	mg/kg	5	N.D.
Pentabromobiphenyl	mg/kg	5	N.D.
Hexabromobiphenyl	mg/kg	5	N.D.
Heptabromobiphenyl	mg/kg	5	N.D.
Octabromobiphenyl	mg/kg	5	N.D.
Nonabromodiphenyl	mg/kg	5	N.D.
Decabromodiphenyl	mg/kg	5	N.D.
Polybrominated Diphenylethers (PBDEs)			
Monobromodiphenyl ether	mg/kg	5	N.D.
Dibromodiphenyl ether	mg/kg	5	N.D.
Tribromodiphenyl ether	mg/kg	5	N.D.
Tetrabromodiphenyl ether	mg/kg	5	N.D.
Pentabromodiphenyl ether	mg/kg	5	N.D.
Hexabromodiphenyl ether	mg/kg	5	N.D.
Heptabromodiphenyl ether	mg/kg	5	N.D.
Octabromodiphenyl ether	mg/kg	5	N.D.
Nonabromodiphenyl ether	mg/kg	5	N.D.
Decabromodiphenyl ether	mg/kg	5	N.D.

Note : - N.D. = Not Detected (< MDL)
 - MDL = Method Detection Limit
 - mg/kg = ppm
 - Photo appendix is included
 - This report is to supersede test report GZ0708125746/CHEM.

Specimen Description:

No.1 Black plastic
 No.2 Silvery metal pin

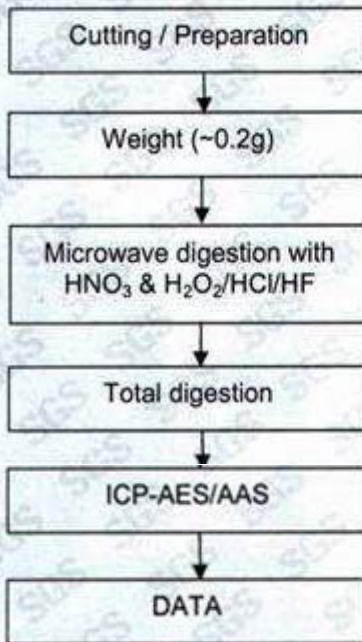
*** End of Report ***

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ATTACHMENTS

Flow chart of digestion (US EPA 3052) :



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

Operator : David Shen
Leader : Julie Zhong

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