

## Test Report

No. SH7001611/CHEM Date: Jan. 11, 2007

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ASAHI SOLDER TECHNOLOGY (WUXI) CO., LTD  
NO.6 CHANGJIANG ROAD WUXI NATIONAL HIGH-NEW TECH DEVELOPMENT ZONE P.R.

Report on the submitted sample said to be Anode Ball.

SGS Ref No. : 10217724  
Buyer : SONY  
Main substance : Sn  $\geq$  99.99%

Sample Receiving Date : Jan.08, 2007  
Testing Period : Jan.08 - 11, 2007

Test Requested : With reference to SONY SS-00259  
(1) To determine Cadmium, Lead and Mercury content in the submitted metal Sample.  
(2) To determine Hexavalent Chromium content in the submitted metal sample.  
(3) To determine PBBs/PBDEs content in the submitted sample.

Test Method : (1) HNO<sub>3</sub>/HCl acid digestion for Cadmium, Lead and Mercury content for sample. Analysis was performed by ICP and AAS.  
(2) With reference to JIS H8625-1993 for Hexavalent Chromium content for sample. Analysis was performed by UV/Vis Spectrometry.  
(3) With reference to US EPA Method 3540C/3550C for PBBs / PBDEs Contents. Analysis was performed by GC-MS.

Test Results : Please refer to next pages

Signed for and on behalf of  
SGS-CSTC Chemical Laboratory

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SGS-CSTC Chemical Laboratory



Ella Zhang  
Sr. Section Head



Sandy Hao  
Lab Manager

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Test results by chemical method :

<u>Test Item(s)</u>	<u>1</u>	<u>Unit</u>	<u>MDL</u>
Cadmium (Cd)	ND	mg/kg	2
Lead (Pb)	14	mg/kg	2
Mercury (Hg)	ND	mg/kg	2
Hexavalent Chromium (CrVI)	ND	µg/cm <sup>2</sup>	0.02
Sum of PBBs	ND	mg/kg	-
Monobromobiphenyl	ND	mg/kg	5
Dibromobiphenyl	ND	mg/kg	5
Tribromobiphenyl	ND	mg/kg	5
Tetrabromobiphenyl	ND	mg/kg	5
Pentabromobiphenyl	ND	mg/kg	5
Hexabromobiphenyl	ND	mg/kg	5
Heptabromobiphenyl	ND	mg/kg	5
Octabromobiphenyl	ND	mg/kg	5
Nonabromobiphenyl	ND	mg/kg	5
Decabromobiphenyl	ND	mg/kg	5
Sum of PBDEs	ND	mg/kg	-
Monobromobiphenyl ether	ND	mg/kg	5
Dibromobiphenyl ether	ND	mg/kg	5
Tribromobiphenyl ether	ND	mg/kg	5
Tetrabromobiphenyl ether	ND	mg/kg	5
Pentabromobiphenyl ether	ND	mg/kg	5
Hexabromobiphenyl ether	ND	mg/kg	5
Heptabromobiphenyl ether	ND	mg/kg	5
Octabromobiphenyl ether	ND	mg/kg	5
Nonabromobiphenyl ether	ND	mg/kg	5
Decabromobiphenyl ether	ND	mg/kg	5

**Test Part Description:**

1. Silvery metal half ball

**Note:**

- (1) mg/kg = ppm
- (2) MDL = Method Detection Limit
- (3) ND = Not detected (Less than MDL)

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Sample photo:



SGS authenticate the photo on original report only

\*\*\* End of Report \*\*\*

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