

## Test Report

No. **005624-008652** Date: **July 3, 2007**

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### DALLAS SEMICONDUCTOR/MAXIM

4345 South Beltwood Parkway  
Dallas Texas 75244  
United States

Attn: Bob Grandys

The following sample was submitted and identified by/on behalf of the client as:

**Cu Sputtering Target, Color – Copper, Style # Copper Piece**

Sample Received Date:

**06/26/2007**

Testing Period

**06/26/2007 to 07/03/2007**

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

**Test Method:** With reference to **IEC 62321, Ed. 111/54/CDV**  
Procedures for the Determination of Levels of Regulated Substances in  
Electro technical Products  
(1) Determination of Cadmium by ICP.  
(2) Determination of Lead by ICP.  
(3) Determination of Mercury by ICP.  
(4) Determination of Hexavalent Chromium by Spot test

**Test Result(s):** Please refer to next page(s).

Signed for and on behalf of SGS US Testing Co



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Tang S. Peng, Ph.D.  
Chemistry Laboratory Manager

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

Test Items	Method (refer to)	Result	Reporting Limit	RoHS Limit
Cadmium (Cd)	(1)	n.d.	5	100
Lead (Pb)	(2)	n.d.	5	1000
Mercury (Hg)	(3)	n.d.	5	1000
Hexavalent Chromium (CrVI) by Spot test/boiling water extraction	(4)	Negative	See Note (5)	#

**Note:**

- (1)mg/kg = ppm
- (2)RL = Reporting Limit
- (3)n.d. = Not Detected = denoted less than reporting limit
- (4)Spot-test:
  - Negative = Absence of Cr(VI) coating, Positive = Presence of Cr(VI) coating;
  - (The tested sample should be further verified by boiling-water-extraction method if the spot test result cannot be confirmed.)
  - Boiling-water-extraction:
    - Negative = Absence of Cr(VI) coating
    - Positive = Presence of Cr(VI) coating; the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm<sup>2</sup> sample surface area.
- (5)# = Positive indicates the presence of Hexavalent Chromium on the tested areas and result be regarded as no comply with RoHS requirement.  
 Negative indicates the absence of Cr(VI) on the tested areas and result be regarded as comply with RoHS requirement.

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

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