



**MK ELECTRON CO.,LTD**

( GOLD BONDING WIRE & PRECIOUS METALS FOR SEMICONDUCTOR )

316-2, Kumeu-ri, Pogok-eup, Cheoin-gu, Yongin, Gyeonggi-do, Korea, 449-812

FACTORY TEL 82-31-330-1900

QA Team TEL 82-31-330-1922

FAX 82-31-338-6817

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# Warranty for Non-Inclusion of Hazardous Substances in Products

To: ASAT

**Date: 2008. Jan. 18**

**Company name: MK ELECTRON CO., LTD.**

**Address: 316-2, Kumeu-Ri, Pogok-Myun, Yongin-Si, Kyunggi-Do, Korea, 449-810**

**E-mail: ijmeang@mke.co.kr**

**Product description: Lead Free Solder Ball ( 96.5Sn 3.0Ag 0.5Cu )**

We hereby guarantees that our products (including accessories, packing materials, and all other goods delivered with products) does not contain the chemical substances listed below.

## 1. Heavy metal

- a. Cadmium and its compound
- b. Mercury and its compound
- c. Hexavalent chromium

## 2. Brominated organic compounds

- a. PBB ( polybromobiphenyl )
- b. PBDE( Polybrominated biphenyl ethers)

## 3. Other compounds

- a. Perfluoroalkyl sulfonates (PFAS)
- b. Perfluorooctyl sulfonates
- c. Perfluorooctane sulfonates (PFOS)    C8F17SO2X  
(X = OH, Metal salt, halide, amide, and other derivatives including polymers)

Our Threshold limit is the follows;

Cd : < 5 ppm, Hg & Cr+6 : 100 ppm, Pb: 1000ppm    PBB& PBDE: 100 ppm

Your division: QA Team

Response Person: SJ Hong / QA Senior Manager

Signature: 