

# **RoHS Maximum Concentration Values**

The values given in the following paragraph is subject to ratification by the EC Environment council. This ratification may not be confirmed until October 2004 and will be reflected in the final version of the RoHS Regulations.

or the purposes of Article 5(1)(a), a maximum concentration value of 0.1 % by weight in homogeneous materials for lead, mercury, hexavalent chromium, polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE) and of 0.01 % by weight in homogeneous materials for cadmium shall be tolerated.

#### \* Definitions:

omogeneous (\*) material' means a material that cannot be mechanically disjointed (\*\*) into different materials.

- (\*) 'homogeneous' is understood as "of uniform composition throughout", so examples of "homogeneous materials" would be individual types of plastics, ceramics, glass, metals, alloys, paper, board, resins and coatings.
- (\*\*) 'mechanically disjointed' means that the materials can be, in principle, separated by mechanical actions such as unscrewing, cutting, crushing, grinding and abrasive processes.

	Cadmium	Lead	Mercury	Hexavalent Chromium	PBBs	PBDEs (Exempted Deca-BDE)	
Directive	2002/95/EC						
Maximum Concentration Values	100 ppm (0.01%)	1000 ppm (0.1%)					
Test Method	IEC 62321						

#### **CONTACT WINDOW:**

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ZHONGSHAN ZHONGYU RUBBER CO., LTD. 34 ROAD LIXI BANFU TOWN, ZHONGSHAN CITY, G.D. CHINA

**建作用多数的多数型的多数形** 

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

Sample Description

: VIBRATION RUBBER

Color

BLACK

Sample Receiving Date

2007/08/31

**Testing Period** 

: 2007/08/31 TO 2007/9/6

\_\_\_\_\_\_\_\_\_

**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-AES.
- (2) With reference to US EPA Method 3050B for Lead Content. Analysis was performed by ICP-AES.
- (3) With reference to US EPA Method 3052 for Mercury Content. Analysis was performed by ICP-AES.
- (4) With reference to US EPA Method 3060A & 7196A for Hexavalent Chromium for non-metallic samples. Analysis was performed by UV/Vis Spectrometry.
- (5) With reference to US EPA 3540C for PBBs/PBDEs Content. Analysis was performed by GC/MS.

Test Result(s)

Please refer to next page(s).

Katherine Ho / Supervisor Signed for and on behalf of SGS Taiwan Limited

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

Tool Itam (a)	Method	Result	MDL
Test Item (s):	(Refer to)	No.1	IVIDL
Cadmium (Cd)	(1)	n.d.	2
Lead (Pb)	(2)	17.1	2
Mercury (Hg)	(3)	n.d.	2
Hexavalent Chromium Cr(VI)	(4)	n.d.	2
Sum of PBBs		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 PBDEs (Mono to Nona)(Note 4)	(5)	n.d.	
Monobromobiphenyl ether		n.d.	5
Dibromobiphenyl ether		n.d.	5
Tribromobiphenyl ether		n.d.	5
Tetrabromobiphenyl ether		n.d.	5
Pentabromobiphenyl ether		n.d.	- 5
Hexabromobiphenyl ether		n.d.	5
Heptabromobiphenyl ether		n.d.	5
Octabromobiphenyl ether		n.d.	5
Nonabromobiphenyl ether		n.d.	5
Decabromobiphenyl ether		n.d.	5
Sum of PBDEs (Mono to Deca)		n.d.	

#### **TEST PART DESCRIPTION:**

NO.1

VIBRATION RUBBER

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- Note: 1. mg/kg = ppm
  - 2. n.d. = Not Detected
  - 3. MDL = Method Detection Limit
  - 4. According to 2005/717/EC DecaBDE is exempt.
  - 5. " " = Not Regulated

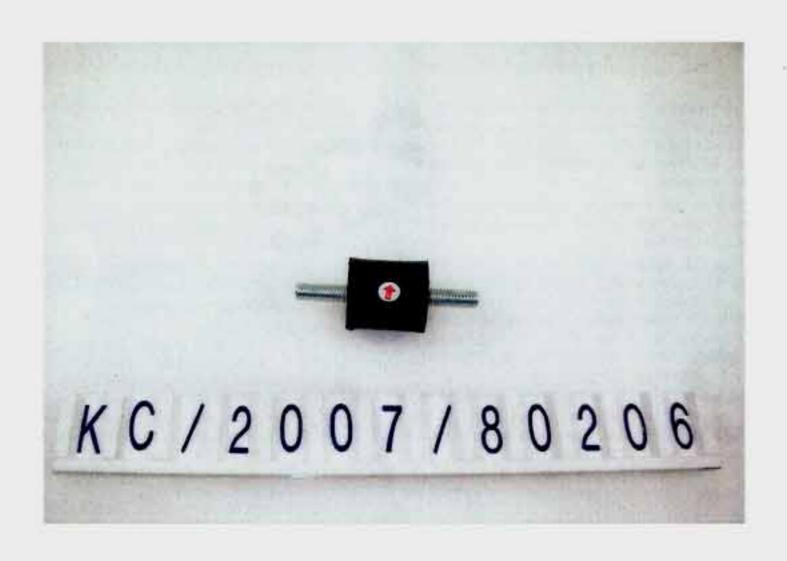


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End of Report \*\*

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