

Test Report

No. SH542919/CHEM

Date: 7.7.2005

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EXCEL (SUZHOU) SEMICONDUCTOR CO., LTD.
NO.8 YANGMING ROAD, SUZHOU, CHINA

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

Sample Name : DIODES
SGS Ref No. : SHEC0050615633
Model : DO35


Sample Receiving Date : July 01, 2005
Testing Period : July 01 to July 07, 2005

Test Requested : 1) To determine the Cadmium Content of the submitted sample.
2) To determine the Lead content of the submitted sample.
3) To determine Mercury Content of the submitted sample.
4) To determine Hexavalent Chromium content of the submitted sample.
5) To determine the PBBs(Polybrominated biphenyls) PBBEs(PBDEs)
(Polybrominated biphenyl ethers) Content of the submitted sample.

Test method : 1) With reference to BS EN 1122:2001, Method B or other acid digestion
Analysis was performed by Inductively Coupled Argon Plasma – Atomic Emission Spectrometry (ICP-AES) or Atomic Absorption Spectrometry.
2) With reference to US EPA Method 3050B or other acid digestion
Analysis was performed by Inductively Coupled Argon Plasma – Atomic Emission Spectrometry (ICP-AES) or Atomic Absorption Spectrometry.
3) With reference to US EPA 3052/EPA7473 or other acid digestion
Analysis was performed by Inductively Coupled Argon Plasma – Atomic Emission Spectrometry (ICP-AES)/Hg Analyzer.
4) With reference to US EPA3060A and US EPA7196A
Analysis was performed by UV-VIS Spectrometric method.
5) With reference to USEPA 8081/8270C/3540C/3550B, Analysis was performed by GC/MS.

Test Results : Please refer to next page

Signed for and on behalf of
SGS-CSTC Chemical Laboratory


Ella Zhang
Supervisor



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Test Results

No.	Item	Unit	MDL	No.1	No.2	No.3
1	Cadmium (Cd)	ppm	2	N.D.	N.D.	10
2	Lead (Pb)	ppm	2	9	N.D.	2035
3	Mercury (Hg)	ppm	2	N.D.	N.D.	N.D.
4	Hexavalent Chromium (Cr VI)	ppm	2	N.D.	N.D.	N.D.
5	PBBs(Polybrominated biphenyls)	---	---	---	---	---
	PBBs(Bromobiphenyl)	ppm	5	N.D.	N.D.	N.D.
	PBBs(Dibromobiphenyl)	ppm	5	N.D.	N.D.	N.D.
	PBBs(Tribromobiphenyl)	ppm	5	N.D.	N.D.	N.D.
	PBBs(Tetrabromobiphenyl)	ppm	5	N.D.	N.D.	N.D.
	PBBs(Pentabromobiphenyl)	ppm	5	N.D.	N.D.	N.D.
	PBBs(Hexabromobiphenyl)	ppm	5	N.D.	N.D.	N.D.
	PBBs(Heptabromobiphenyl)	ppm	5	N.D.	N.D.	N.D.
	PBBs(Octabromobiphenyl)	ppm	5	N.D.	N.D.	N.D.
	PBBs(Nonabromobiphenyl)	ppm	5	N.D.	N.D.	N.D.
	PBBs(Polybrominated biphenyls)	ppm	5	N.D.	N.D.	N.D.
	PBBEs(PBDEs)(Polybrominated biphenyl ethers)	---	---	---	---	---
	PBBEs(PBDEs)(Monobromobiphenyl ether)	ppm	5	N.D.	N.D.	N.D.
	PBBEs(PBDEs)(Dibromobiphenyl ether)	ppm	5	N.D.	N.D.	N.D.
	PBBEs(PBDEs)(Tribromobiphenyl ether)	ppm	5	N.D.	N.D.	N.D.
	PBBEs(PBDEs)(Tetrabromobiphenyl ether)	ppm	5	N.D.	N.D.	N.D.
	PBBEs(PBDEs)(Pentabromobiphenyl ether)	ppm	5	N.D.	N.D.	N.D.
	PBBEs(PBDEs)(Hexabromobiphenyl ether)	ppm	5	N.D.	N.D.	N.D.
	PBBEs(PBDEs)(Heptabromobiphenyl ether)	ppm	5	N.D.	N.D.	N.D.
	PBBEs(PBDEs)(Octabromobiphenyl ether)	ppm	5	N.D.	N.D.	N.D.
PBBEs(PBDEs)(Nonabromobiphenyl ether)	ppm	5	N.D.	N.D.	N.D.	
PBBEs(PBDEs)(Decabromobiphenyl ether)	ppm	5	N.D.	N.D.	N.D.	

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Sample Appearance Description:

No.1 Silvery metal sheet

No.2 Silvery metal wire

No.3 Transparent glass

Note : ppm=mg/kg

MDL= Method Detection Limit

N.D. = Not detected.(<MDL)

*** End of Report ***

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