

Banned Substances Report Generated 05/19/05.
 Reference Report No.: CE/2005/52500B

RoHS Compliance

Product Type: TVS Diodes & Thyristor (SMB package type)
Part Number Series: P6SMBJ series & WPSCDS series

Test Result

PART NAME NO. 1: MIXED ALL PARTS (CE/2005/21379)
 PART NAME NO. 2: SILVER COLORED METAL PIN
 PART NAME NO. 3: BLACK PLASTIC BODY WITHOUT SOLDER PASTE & DIE (CE/2005/52500)

Test Item (s):	Unit	Method	MDL	Result		
				No. 1	No. 2	No. 3
Monobromobiphenyl	%	With reference to US EPA 3540C or US EPA 3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (Prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC).	0.0005	N.D.	---	---
Dibromobiphenyl	%		0.0005	N.D.	---	---
Tribromobiphenyl	%		0.0005	N.D.	---	---
Tetrabromobiphenyl	%		0.0005	N.D.	---	---
Pentabromobiphenyl	%		0.0005	N.D.	---	---
Hexabromobiphenyl	%		0.0005	N.D.	---	---
Heptabromobiphenyl	%		0.0005	N.D.	---	---
Octabromobiphenyl	%		0.0005	N.D.	---	---
Nonabromobiphenyl	%		0.0005	N.D.	---	---
Decabromobiphenyl	%		0.0005	N.D.	---	---
Total PBBs (Polybrominated biphenyls)/Sum of above	%		-	N.D.	---	---
Monobromobiphenyl ether	%	With reference to US EPA 3540C or US EPA 3550C. Analysis was performed by HPLC/DAD, LC/MS or GC/MS. (Prohibited by 2002/95/EC (RoHS), 83/264/EEC, and 76/769/EEC).	0.0005	N.D.	---	---
Dibromobiphenyl ether	%		0.0005	N.D.	---	---
Tribromobiphenyl ether	%		0.0005	N.D.	---	---
Tetrabromobiphenyl ether	%		0.0005	N.D.	---	---
Pentabromobiphenyl ether	%		0.0005	N.D.	---	---
Hexabromobiphenyl ether	%		0.0005	N.D.	---	---
Heptabromobiphenyl ether	%		0.0005	N.D.	---	---
Octabromobiphenyl ether	%		0.0005	N.D.	---	---
Nonabromobiphenyl ether	%		0.0005	N.D.	---	---
Decabromobiphenyl ether	%		0.0005	N.D.	---	---
Total PBBEs (PBDEs) (Polybrominated biphenyl ethers)/Sum of above	%		-	N.D.	---	---

N.D. = Not Detected (<MDL)
 ppm = mg/kg
 MDL = Method Detection Limit
 "—" = No Applicable

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Test Item (s):	Unit	Method	MDL	Result		
				No. 1	No. 2	No. 3
Chromium VI (Cr + 6)	ppm	UV-VIS after reference to US EPA 3060A.	2	N.D.	---	---
Cadmium (Cd)	ppm	ICP-AES after reference to EN 1122, method B:2001 or other acid digestion.	2	N.D.	---	---
Mercury (Hg)	ppm	ICP-AES after reference to US EPA 3052 or other acid digestion.	2	N.D.	---	---
Lead (Pb)	ppm	ICP-AES after reference to US EPA 3050B or other acid digestion.	2	---	N.D.	N.D.

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