

Laboratory Centre for Materials for Electronics Technology (C-MET), Analytical Division, IDA Phase- III, Cherlapally, HCL (Post), Hyderabad, Telangana

Accreditation Standard ISO/IEC 17025: 2005

Discipline Chemical Testing **Issue Date** 28.06.2014

Certificate Number T-1780 **Valid Until** 27.06.2016

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
1.	Electronic & Electrical Materials (Polymers, Metals & Coated Materials and their Related Products)	Pb	IEC 62321: 2008-12 (ICP MS)	0.3 to 5000 mg/kg (LOQ=0.3 mg/kg)
		Cd		0.3 to 5000 mg/kg (LOQ=0.3 mg/kg)
		Cr		0.3to 5000 mg/kg (LOQ=0.3 mg/kg)
		Hg		0.3 to 5000 mg/kg (LOQ=0.3 mg/kg)
		Pb	IEC 62321: 2008 -12 (AAS)	30 to 5000 mg/kg (LOQ=30 mg/kg)
		Cd		06 to 5000 mg/kg (LOQ=6 mg/kg)
		Cr		30 to 5000 mg/kg (LOQ=30 mg/kg)
		Hg		IEC 62321: 2008 -12 (CV-AAS)
Cr (VI)	IEC 62321: 2008 -12 (IC)	0.5 to 5000 mg/kg (LOQ=0.5 mg/kg)		

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Electronic & Electrical Materials (Polymers, Metals & Coated Materials and their Related Products)	Cr (VI)	IEC 62321: 2008-12 (UV-Visible)	01 to 5000 mg/kg (LOQ=1 mg/kg)
		Pb	IEC 62321: 2008 -12 (ICP-OES)	30 to 10,000 mg/kg (LOQ=30 mg/kg)
		Cd		06 to 5000 mg/kg (LOQ=6 mg/kg)
		Hg		03 to 5000 mg/kg (LOQ=3mg/kg)
		Cr		30 to 5000 mg/kg (LOQ=30 mg/kg)
		Pb	IEC 62321:2008 -12 (EDXRF)	100 to 5000 mg/kg (LOQ=100 mg/kg)
		Cd		100 to 5000 mg/kg (LOQ=100 mg/kg)
		Cr		100 to 5000 mg/kg (LOQ=100 mg/kg)
		Hg		100 to 5000 mg/kg (LOQ=100 mg/kg)
		Br		100 to 5000 mg/kg (LOQ=100 mg/kg)

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	Electronic & Electrical Materials (Polymers, Metals & Coated Materials and their Related Products)	Flame retardants	IEC 62321: 2008-12 (GC-MS)	
		Polybrominated biphenyls (PBB)		
		MonoBromobiphenyl		2-5000 mg/kg (LOQ=2 mg/kg)
		Dibromobiphenyl		2-5000 mg/kg (LOQ=2 mg/kg)
		Tribromobiphenyl		2-5000 mg/kg (LOQ=2 mg/kg)
		Tetrabromobiphenyl		2-5000 mg/kg (LOQ=2 mg/kg)
		Pentabromobiphenyl		2-5000 mg/kg (LOQ=2 mg/kg)
		Hexabromobiphenyl		2-5000 mg/kg (LOQ=2 mg/kg)
		Heptabromobiphenyl		2-5000 mg/kg (LOQ=2 mg/kg)
		Octabromobiphenyl		2-5000 mg/kg (LOQ=2 mg/kg)
	Nonabromobiphenyl	2-5000 mg/kg (LOQ=2 mg/kg)		
	Decabromobiphenyl	2-5000 mg/kg (LOQ=2 mg/kg)		

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
	Electronic & Electrical Materials (Polymers, Metals & Coated Materials and their Related Products)	Polybrominated diphenyls ether (PBDE)	IEC 62321: 2008-12 (GC-MS)	
		Monobromodiphenyl ether		2-5000 mg/kg (LOQ=2 mg/kg)
		Dibromodiphenyl ether		2-5000 mg/kg (LOQ=2 mg/kg)
		Tribromodiphenyl ether		2-5000 mg/kg (LOQ=2 mg/kg)
		Tetrabromodiphenyl ether		2-5000 mg/kg (LOQ=2 mg/kg)
		Pentabromodiphenyl ether		2-5000 mg/kg (LOQ=2 mg/kg)
		Hexabromodiphenyl ether		2-5000 mg/kg (LOQ=2 mg/kg)
		Heptabromodiphenyl ether		2-5000 mg/kg (LOQ=2 mg/kg)
		Octabromodiphenyl ether		2-5000 mg/kg (LOQ=2 mg/kg)
		Nonabromodiphenyl ether		2-5000 mg/kg (LOQ=2 mg/kg)
	Decabromodiphenyl ether	2-5000 mg/kg (LOQ=2 mg/kg)		

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