



# NABL

**Department of Science & Technology, India**

## SCOPE OF ACCREDITATION

<b>Laboratory</b>	Centre for Materials for Electronics Technology (C-MET), Analytical Division, IDA- Phase-III, Cherlapally, HCL (P.O), Hyderabad		
<b>Accreditation Standard</b>	ISO/IEC 17025:2005		
<b>Field</b>	Chemical Testing	<b>Issue Date</b>	28.06.2010
<b>Certificate Number</b>	T-1780	<b>Valid Until</b>	27.06.2012
<b>Last Amended on</b>	06.07.2011	<b>Page</b>	1 of 3

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: 2006 (ICP MS)	0.1 to 5000 mg/kg (LOQ=300 µg/kg)
		Cd		0.1 to 5000 mg/kg (LOQ=300 µg/kg)
		Cr		0.1 to 5000 mg/kg (LOQ=300 µg/kg)
		Hg		0.1 to 5000 mg/kg (LOQ=300 µg/kg)
2	Electronic & Electrical Materials (Polymers, metals & metal coated materials, etc.)	Pb	IEC 62321: 2006 (AAS)	10 to 5000 mg/kg (LOQ=30 mg/kg)
		Cd		2 to 5000 mg/kg (LOQ=6 mg/kg)
		Cr		10 to 5000 mg/kg (LOQ=30mg/kg)
3	Electronic & Electrical Materials (Polymers, metals & coated materials and their related products)	Hg	IEC 62321: 2006 (CV-AAS)	1 to 5000 mg/kg (LOQ=3 mg/kg)
4	Electronic & Electrical Materials (Polymers, metals & coated materials and their related products)	Cr (IV)	IEC 62321: 2006 (IC)	0.1 to 5000 mg/kg (LOQ=500 µg/kg)
5	Electronic & Electrical Materials (Polymers, metals & coated materials and their related products)	Cr (IV)	IEC 62321: 2006 (UV-VISIBLE)	0.1 to 5000 mg/kg (LOQ=1 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
6	Electronic & Electrical Materials (Polymers, metals & coated materials and their related products)	Pb	IEC 62321: 2006 (EDXRF)	100 to 5000 mg/kg (LOD=100 mg/kg)
		Cd		100 to 5000 mg/kg (LOD=100 mg/kg)
		Cr		100 to 5000 mg/kg (LOD=100 mg/kg)
		Hg		100 to 5000 mg/kg (LOD=100 mg/kg)
		Br		100 to 5000 mg/kg (LOD=100 mg/kg)
7	Electronic & Electrical Materials (Polymers, metals & coated materials and their related products)	Flame retardants Polybrominated biphenyls (PBB)	IEC 62321: 2006 (GC-MS)	
		MonoBromobiphenyl		1-5000 mg/kg (LOQ=2 mg/kg)
		Dibromobiphenyl		1-5000 mg/kg (LOQ=2 mg/kg)
		Tribromobiphenyl		1-5000 mg/kg (LOQ=2 mg/kg)
		Tetrabromobiphenyl		1-5000 mg/kg (LOQ=2 mg/kg)
		Pentabromobiphenyl		1-5000 mg/kg (LOQ=2 mg/kg)
		Hexabromobiphenyl		1-5000 mg/kg (LOQ=2 mg/kg)
Heptabromobiphenyl	1-5000 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
		Octabromobiphenyl		1-5000 mg/kg (LOQ=2 mg/kg)
		Nonabromobiphenyl		1-5000 mg/kg (LOQ=2 mg/kg)
		Decabromobiphenyl		1-5000 mg/kg (LOQ=2 mg/kg)
		<b>Polybrominated diphenyls ether (PBDE)</b>		
		Monobromodiphenyl ether		1-5000 mg/kg (LOQ=2 mg/kg)
		Dibromodiphenyl ether		1-5000 mg/kg (LOQ=2 mg/kg)
		Tribromodiphenyl ether		1-5000 mg/kg (LOQ=2 mg/kg)
		Tetrabromodiphenyl ether		1-5000 mg/kg (LOQ=2 mg/kg)
		Pentabromodiphenyl ether		1-5000 mg/kg (LOQ=2mg/kg)
		Hexabromodiphenyl ether		1-5000 mg/kg (LOQ=2 mg/kg)
		Heptabromodiphenyl ether		1-5000 mg/kg (LOQ=2 mg/kg)
		Octabromodiphenyl ether		1-5000 mg/kg (LOQ=2 mg/kg)
		Nonabromodiphenyl ether		1-5000 mg/kg (LOQ=2 mg/kg)
		Decabromodiphenyl ether		1-5000 mg/kg (LOQ=2 mg/kg)

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