



RoHS 3 TEST REPORT

Our Ref:	CHEM-24-03744
Sample Description:	Chrome Sample

To determine the content of the following metals and organic compounds in the sample submitted in compliance to RoHS 3 Directive EU 2015/863:

Metals and Organic Compounds:

1. Cadmium (Cd)
2. Lead (Pb)
3. Mercury (Hg)
4. Hexavalent Chromium (Cr⁶⁺)
5. Polybrominated biphenyls (PBBs)
6. Polybrominated diphenyl ethers (PBDEs)
7. Phthalates (DEHP, BBP, DBP, DIBP)

Item No.	Parameter	Test Method	Unit	Result	RoHS 3 Directive EU 2015/863
1	Cadmium (Cd)	IEC 62321-5:2013	mg/kg	N.D.	100
2	Lead (Pb)	IEC 62321-5:2013	mg/kg	N.D.	1000
3	Mercury (Hg)	IEC 62321-4:2017	mg/kg	N.D.	1000
4	Hexavalent Chromium (Cr ⁶⁺)	IEC 62321-7-2:2017	mg/kg	N.D.	1000
5	PBBs (Polybrominated Biphenyl) (C₁₂H_{10-x}Br_x) Monobromobiphenyl Dibromobiphenyl Tribromobiphenyl Tetrabromobiphenyl Pentabromobiphenyl Hexabromobiphenyl Heptabromobiphenyl Octobromobiphenyl Nonabromobiphenyl Decabromobiphenyl	USEPA 3545A:2007 (Extraction) IEC 62321-5:2015	mg/kg	N.D.	1000
	Total PBBs / Sum of above		mg/kg	N.D.	1000
6	PBDEs (Polybrominated Diphenyl Ether) (C₁₂H_{10-x}Br_xO) Monobromodiphenyl Ether Dibromodiphenyl Ether Tribromodiphenyl Ether Tetrabromodiphenyl Ether Pentabromodiphenyl Ether Hexabromodiphenyl Ether Heptabromodiphenyl Ether Octobromodiphenyl Ether Nonabromodiphenyl Ether Decabromodiphenyl Ether	IEC 62321-6:2015	mg/kg	N.D.	1000
	Total PBDEs / Sum of above		mg/kg	N.D.	1000
7	Phthalates Benzyl butyl phthalate (BBP) Di-butyl phthalate (DBP) Di-(2-ethylhexyl) phthalate (DEHP) Di-isobutyl phthalate (DIBP)	USEPA 3545A & USEPA 8270E	mg/kg	N.D.	1000

Notes:	1) N.D. - Not Detected (< Method Detection Limit)	
	2) Method Detection Limit:	
	a) Cadmium : 10.0 mg/kg	e) Polybrominated Biphenyls : 10.0 mg/kg
	b) Lead : 10.0 mg/kg	f) Polybrominated Diphenyl Ethers : 10.0 mg/kg
	c) Mercury : 10.0 mg/kg	g) Phthalates : 100 mg/kg for each phthalate
	d) Hexavalent Chromium : 10.0 mg/kg	