



## RoHS 3 TEST REPORT

Our Ref:	<b>CHEM-171271</b>
Sample Description:	<b>Chrome Sample</b>

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 (Cr<sup>6+</sup>)
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	22.00	1000
3	Mercury (Hg)	IEC 62321-4:2013	mg/kg	N.D.	1000
4	Hexavalent Chromium (Cr <sup>6+</sup> )	IEC 62321-7:2017	mg/kg	N.D.	1000
5	<b>PBBs (Polybrominated Biphenyl) (C<sub>12</sub>H<sub>10-x</sub>Br<sub>x</sub>)</b> Monobromobiphenyl Dibromobiphenyl Tribromobiphenyl Tetrabromobiphenyl Pentabromobiphenyl Hexabromobiphenyl Heptabromobiphenyl Octobromobiphenyl Nonabromobiphenyl Decabromobiphenyl	IEC 62321-5:2015	mg/kg	N.D.	1000
	<b>Total PBBs / Sum of above</b>		mg/kg	N.D.	1000
6	<b>PBDEs (Polybrominated Diphenyl Ether) (C<sub>12</sub>H<sub>10-x</sub>Br<sub>x</sub>O)</b> Monobromodiphenyl Ether Dibromodiphenyl Ether Tribromodiphenyl Ether Tetrabromodiphenyl Ether Pentabromodiphenyl Ether Hexabromodiphenyl Ether Heptabromodiphenyl Ether Octobromodiphenyl Ether Nonabromodiphenyl Ether Decabromodiphenyl Ether	IEC 62321-5:2015	mg/kg	N.D.	1000
	<b>Total PBDEs   Sum of above</b>		mg/kg	N.D.	1000
7	<b>Phthalates</b> Benzyl butyl phthalate (BBP)	USEPA 3545A & USEPA 8270D	mg/kg	N.D.	1000
	Di-butyl phthalate (DBP)		mg/kg	N.D.	1000
	Di-(2-ethylhexyl) phthalate (DEHP)		mg/kg	N.D.	1000
	Di-isobutyl phthalate (DIBP)		mg/kg	N.D.	1000

<b>Notes:</b>	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		