

Test Report

Report No : TUV(I)/9129/18-19/0101800669

Date : 20 Oct 2018



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Name and address of customer : **IND SPHINX PRECISION LIMITED**
1, Taksal Road, Kasauli Marg Parwanoo,
Solan
Pin Code: 173220

Name of the sample : **Braze Blank**

CA No. : **0101800669**

Batch No./ Code no. : **27**

Objectives Of Examination : To test for compliance with Commission Delegated Directive EU 2015/863 of 31st Mar 2015. Ammended Annexure II of EU/65/2011 Restriction of the use of Hazardous Substances (ROHS) Directive in electrical and electronic equipment

Regulation Requirement : As per Commission Delegated Directive EU 2015/863 of 31st Mar 2015. Ammended Annexure II of EU/65/2011 Restriction of the use of Hazardous Substances (ROHS) Directive.

Description of sample : One sample of 'Braze Blank' received for analysis of Cadmium, Hexavalent Chromium, Lead, Mercury, Polybrominated Biphenyls, Polybrominated Diphenyl Ethers & Phthalates. Enclosure-Sample Images

Date of sample receipt : **28 Sep 2018**

Date(s) of analysis : **06 Oct 2018 -20 Oct 2018**

Sample drawn by : **Customer**

Conclusion	Given Sample Conforms with Commission Regulation (EU) No 65/2011 on the Restriction of the use of certain Hazardous Substances in Electrical and Electronic Equipment for above mentioned test parameters.
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Sr. No.	Name of Analyte	Result	Unit	Detection Limit	Limits as per ROHS Directive	Test Method
1	Cadmium	<10	mg/kg	10 mg/kg	100 mg/kg	Method based on IEC 62321 : 2013 & Committee Draft 111/307/RVD
2	Lead	18	mg/kg		1000 mg/kg	
3	Hexavalent Chromium	<10	mg/kg		1000 mg/kg	
4	Mercury	<10	mg/kg		1000 mg/kg	Method based on IEC 62321 : 2013 & Committee Draft 111/309/RDV
5	Polybrominated Diphenyl Ethers					
	Mono-Bromodiphenyl Ether	<10	mg/kg	10 mg/kg	1000 mg/kg	Method based on IEC 62321 : 2015 & Committee Draft 111/379/RVD
	Di-Bromodiphenyl Ether	<10				
	Tri-Bromodiphenyl Ether	<10				
	Tetra-Bromodiphenyl Ether	<10				
	Penta-Bromodiphenyl Ether	<10				
	Hexa-Bromodiphenyl Ether	<10				
	Hepta-Bromodiphenyl Ether	<10				
	Octa-Bromodiphenyl Ether	<10				
	Nona-Bromodiphenyl Ether	<10				
Decabromodiphenyl Ether	<10					
6	Polybrominated Biphenyls					
	Mono-Bromobiphenyl	<10	mg/kg	10 mg/kg	1000 mg/kg	Method based on IEC 62321 : 2015 & Committee Draft 111/379/RVD
	Di-Bromobiphenyl	<10				
	Tri-Bromobiphenyl	<10				
	Tetra-Bromobiphenyl	<10				
	Penta-Bromobiphenyl	<10				
	Hexa-Bromobiphenyl	<10				
	Hepta-Bromobiphenyl	<10				
	Octa-Bromobiphenyl	<10				
	Decabromobiphenyl	<10				
7	Phthalates					
	Di-butyl phthalate (DBP)	<50	mg/kg	50	1000	Determined by GC-MS
	Diisobutyl phthalate (DIBP)	<50				
	Butyl benzyl phthalate (BBP)	<50				
	Di (2-ethylhexyl) phthalate (DEHP)	<50				

Note : Limits are as per Commission Delegated Directive EU 2015/863 of 31st Mar 2015. Ammended Annexure II of EU/65/2011 Restriction of the use of Hazardous Substances (ROHS) Directive.

Verified By
(Dr. Bharat Ugare)
In Charge - Instrumentation GC

Authorized by
(Atulkumar Rajage)
Head-Instrumentation Laboratory

- Test Results are based on & related only to the particular sample(s) tested.
- This Report cannot be re-produced, except when in full, without the written permission from TUV India Pvt. Ltd., Laboratory Division.
- This Certificate reflects our findings at the time and place of testing.
- Sample(s) will be retained by us for a period of one month for non-perishable items only. Perishable items will be destroyed after completion of tests.
- This Report, in full or in part, shall not be used to make any misleading claims or for any legal purposes.
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