

Test Report

Report No : TUV(I)/9129/18-19/0101800667

Date : 20 Oct 2018



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

Name of the sample : **Carbide Blank - 1**

CA No. : **0101800667**

Batch No./ Code no. : **07**

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 'Carbide Blank - 1' 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	<10	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
Polybrominated Diphenyl Ethers						
5	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				
Polybrominated Biphenyls						
6	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				
Phthalates						
7	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

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2. This Report cannot be re-produced, except when in full, without the written permission from TUV India Pvt. Ltd., Laboratory Division.
3. This Certificate reflects our findings at the time and place of testing.
4. 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.
5. This Report, in full or in part, shall not be used to make any misleading claims or for any legal purposes.
6. All terms and conditions of our quotation on the basis of which this testing service has been provided are deemed to be fully accepted by the customer and are deemed to be in full force and effect.
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