



**Test Report**

No. XMNML2000952701

Date: 22 Jul 2020

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XIAMEN BETALENT CARBIDE CO.,LTD

79-209 XINGGANG WULI, XIAMEN AREA, CHINA(FUJIAN)PILOT FREE TRADE ZONE 361024

The following sample(s) was/were submitted and identified on behalf of the clients as : Carbide rod

SGS Job No. : XMIN2007006455PC - XM

Material : Carbide grade BT55

Specification : 6\*330

Manufacturer : XIAMEN BETALENT CARBIDE CO.,LTD

Date of Sample Received : 17 Jul 2020

Testing Period : 17 Jul 2020 - 22 Jul 2020

Test Method : Please refer to next page(s).

Test Results : Please refer to next page(s).

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Signed for and on behalf of  
SGS-CSTC Standards Technical Services Co., Ltd. Xiamen Branch

*Rae chen*  
Rae Chen  
Approved Signatory



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	XMN20-009527.001	Dk-grey surfaced metal rod

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

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Element	Unit	Limit	Result
Cadmium (Cd)	mg/kg	100	ND
Mercury (Hg)	mg/kg	1,000	ND
Lead (Pb)	mg/kg	1,000	ND
Sulfur hexafluoride (SF6)	µg/cm <sup>3</sup>	1,000	ND
Sum of PBBs	mg/kg	1,000	ND
Dibromobiphenyl	mg/kg	5	ND
Tribromobiphenyl	mg/kg	5	ND
Tetrabromobiphenyl	mg/kg	5	ND
Pentabromobiphenyl	mg/kg	5	ND
Hexabromobiphenyl	mg/kg	5	ND
Heptabromobiphenyl	mg/kg	5	ND
Octabromobiphenyl	mg/kg	5	ND
Nonabromobiphenyl	mg/kg	5	ND
Decabromobiphenyl	mg/kg	5	ND
Sum of PBDEs	mg/kg	1,000	ND
Monobromodiphenyl ether	mg/kg	5	ND
Dibromodiphenyl ether	mg/kg	5	ND
Tribromodiphenyl ether	mg/kg	5	ND
Tetrabromodiphenyl ether	mg/kg	5	ND
Pentabromodiphenyl ether	mg/kg	5	ND



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Test Item(s)	Limit	Unit	MDL	001
Hexabromodiphenyl ether	-	mg/kg	5	ND
Heptabromodiphenyl ether	-	mg/kg	5	ND
Octabromodiphenyl ether	-	mg/kg	5	ND
Nonabromodiphenyl ether	-	mg/kg	5	ND
Decabromodiphenyl ether	-	mg/kg	5	ND
Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Bis (2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Diisobutyl Phthalates (DIBP)	1000	mg/kg	50	ND

Notes :

(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863. IEC 62321 series is equivalent to EN 62321 series  
[https://www.cenelec.eu/dyn/www?fp=104.30.1742232870351101:::FSP\\_ORG\\_ID,FSP\\_LANG\\_ID:12586](https://www.cenelec.eu/dyn/www?fp=104.30.1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:12586)

(2) \* = a. The sample is positive for CrVI if the CrVI concentration is greater than 0.13 µg/cm<sup>2</sup>. The sample coating is considered to contain CrVI  
 b. The sample is negative for CrVI if CrVI is ND (concentration less than 0.10 µg/cm<sup>2</sup>). The result between 0.10 µg/cm<sup>2</sup> and 0.13 µg/cm<sup>2</sup> is considered to be inconclusive -

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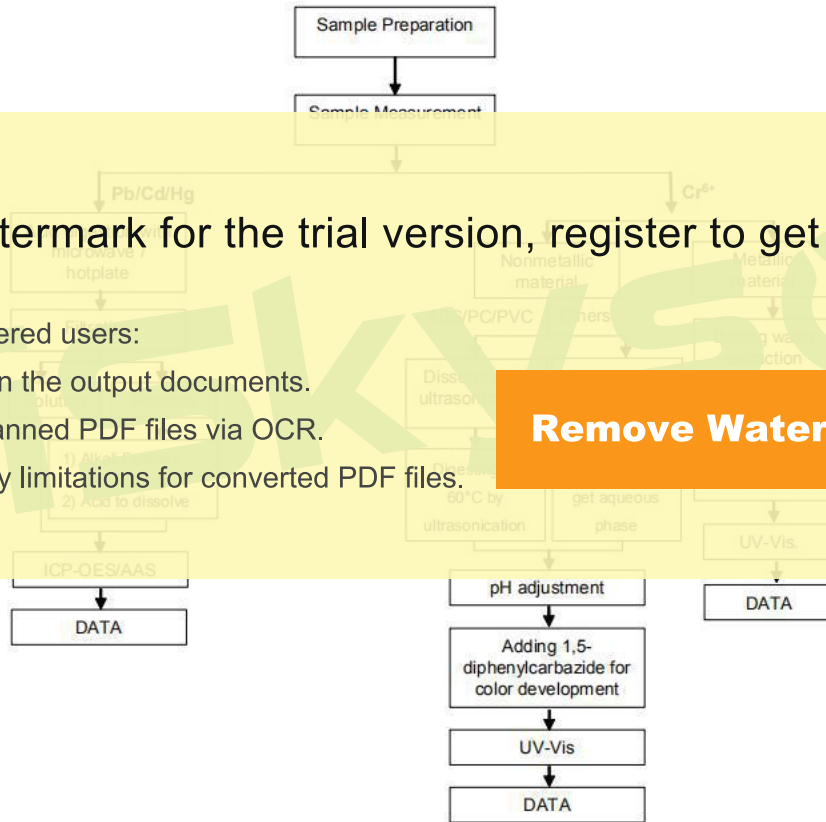
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Pb/Cd/Hg/Cr<sup>6+</sup> Testing Flow Chart

These samples were dissolved totally by pre-conditioning method according to below flow chart.  
(Cr<sup>6+</sup> test method excluded)



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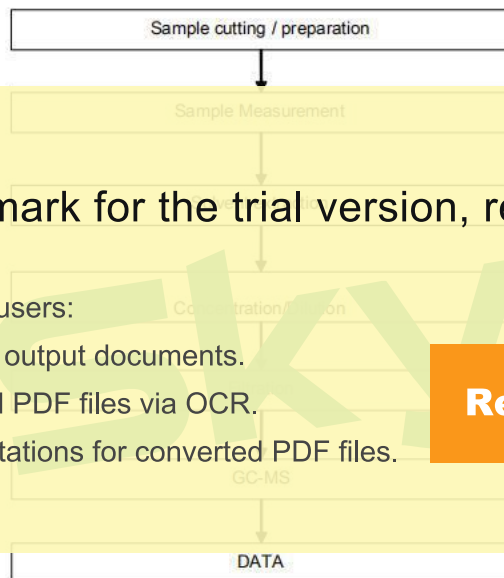
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PBBs / PBDEs Testing Flow Chart



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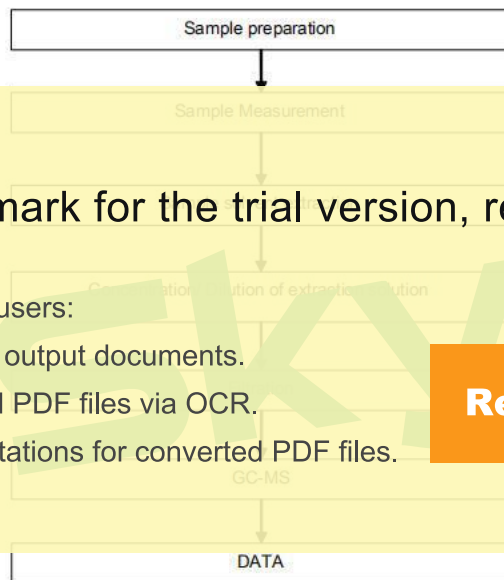
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Phthalates Testing Flow Chart



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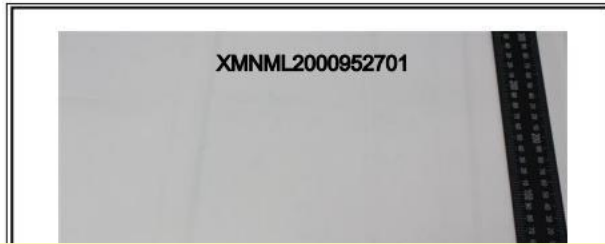
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