

Hong Kong Government Recognized Service Supplier  
Approved Laboratory of The Woolmark Company

Members of :

American National Standards Institute  
American Society for Testing and Materials  
British Standards Institute

Hong Kong Association for Testing, Inspection and Certification Limited  
Hong Kong Toys Council

**Test Report**

Number: HKGC00001889

Company: InBERG LIMITED  
MAXIMILIANSTRASSE 35A,  
80539 MUNICH, GERMANY

Date: Nov 17, 2014

**Sample Description:**

One (1) piece of submitted sample said to be :

Item Name

Model No.

: **Fiber Trunking For Optical Fiber Patch Cords**  
: **FR12-200, FR12-200-C, FR12-JNR, FR12-HB90, FR12-HB90-C, FR12-HT, FR12-HT-C, FR12-HX, FR12-HX-C, FR12-VD45, FR12-VD45-C, FR12-VR45, FR12-VR45-C, FR12-HB45, FR12-END, FR-TS, FR-WF, FR-WF-L, FR24-200, FR24-200-C, FR24-JNR, FR24-HB90, FR24-HB90-C, FR24-HT, FR24-HT-C, FR24-HX, FR24-HX-C, FR24-VD45, FR24-VD45-C, FR24-VR45, FR24-VR45-C, FR24-HB45, FR24-END, FR24-VTD, FR24-HT12, FR24-HT12-C, FR24-R12, FR24-R12-C**

Buyer

: InBERG LIMITED



\*\*\*\*\*

**Tests conducted:**

As requested by the applicant, refer to attached page(s) for details.

\*\*\*\*\*

**Conclusion:**

Requirement  
(1) RoHS Directive (2011/65/EU)  
- Chemical test

Result  
Pass

\*\*\*\*\*

For and on behalf of :  
Intertek Testing Services HK Ltd.

Ken Chan  
Senior Manager



**Test Report**

Number: HKGC00001889

Tests Conducted

1 RoHS Chemical Test

(A) Test Result Summary:

Testing item	Result
	(1)
Cadmium (Cd) Content (mg/kg)	ND
Lead (Pb) Content (mg/kg)	ND
Mercury (Hg) Content (mg/kg)	ND
Chromium (VI) (Cr <sup>6+</sup> ) Content (mg/kg) (For non-metal)	ND
Polybrominated Biphenyls (PBBs) (mg/kg)	
Monobromobiphenyl (MonoBB)	ND
Dibromobiphenyl (DiBB)	ND
Tribromobiphenyl (TriBB)	ND
Tetrabromobiphenyl (TetraBB)	ND
Pentabromobiphenyl (PentaBB)	ND
Hexabromobiphenyl (HexaBB)	ND
Heptabromobiphenyl (HeptaBB)	ND
Octabromobiphenyl (OctaBB)	ND
Nonabromobiphenyl (NonaBB)	ND
Decabromobiphenyl (DecaBB)	ND
Polybrominated Diphenyl Ethers (PBDEs) (mg/kg)	
Monobromodiphenyl Ether (MonoBDE)	ND
Dibromodiphenyl Ether (DiBDE)	ND
Tribromodiphenyl Ether (TriBDE)	ND
Tetrabromodiphenyl Ether (TetraBDE)	ND
Pentabromodiphenyl Ether (PentaBDE)	ND
Hexabromodiphenyl Ether (HexaBDE)	ND
Heptabromodiphenyl Ether (HeptaBDE)	ND
Octabromodiphenyl Ether (OctaBDE)	ND
Nonabromodiphenyl Ether (NonaBDE)	ND
Decabromodiphenyl Ether (DecaBDE)	ND

mg/kg = milligram per kilogram = ppm

mg/kg with 50cm<sup>2</sup> = milligram per kilogram with 50 square centimeter

ND = Not detected

\*\*\*\*\*



**Test Report**

Number: HKGC00001889

Tests Conducted

Tested component:

(1) Yellow plastic.

(B) RoHS Requirement:

Restricted substances	Limits
Cadmium (Cd)	0.01% (100 ppm)
Lead (Pb)	0.1% (1000 ppm)
Mercury (Hg)	0.1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	0.1% (1000 ppm)
Polybrominated Biphenyls (PBBs)	0.1% (1000 ppm)
Polybrominated Diphenyl ethers (PBDEs)	0.1% (1000 ppm)

The above limits were quoted from Annex II of 2011/65/EU.

(C) Test Method:

Testing Item	Testing Method	Reporting Limit
Cadmium (Cd) Content	With reference to IEC 62321-5 edition 1.0 : 2013, by acid digestion and determined by ICP-OES	10 mg/kg
Lead (Pb) Content	With reference to IEC 62321-5 edition 1.0 : 2013, by acid digestion and determined by ICP-OES	10 mg/kg
Mercury (Hg) Content	With reference to IEC 62321-4 edition 1.0 : 2013, by acid digestion and determined by ICP-OES	10 mg/kg
Chromium (VI) (Cr <sup>6+</sup> ) Content (For Non-metal)	With reference to IEC 62321 edition 1.0 : 2008, by alkaline digestion and determined by UV-VIS Spectrophotometer	1 mg/kg
Polybrominated Biphenyls (PBBs) & Polybrominated diphenyl Ethers (PBDEs)	With reference to IEC 62321 edition 1.0 : 2008, by solvent extraction and determined by GC/MS and further hplc confirmation when necessary	20 mg/kg

Date sample received : Nov 10, 2014

Testing period : Nov 10, 2014 to Nov 13, 2014

\*\*\*\*\*

End of report

*This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct.*

