

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: HKGC00001888

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

Brand Name  
Buyer

: InBERG Fiber Raceway  
: InBERG LIMITED



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Tests conducted:

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

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Conclusion:

Requirement  
(1) GS Certification  
- Polycyclic Aromatic Hydrocarbons (PAHs)

Result  
Pass

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

Ken Chan  
Senior Manager



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Tests Conducted

1 Polycyclic Aromatic Hydrocarbons (PAHs) For GS Certification

Test Method : The document ZEK 01.4-08 issued by the Central Experience Exchange Office (ZEK), by solvent extraction and determined by GC-MSD.

(A) Test result

| Testing Item                               | Result (mg/kg) |
|--------------------------------------------|----------------|
|                                            | (1)            |
| Naphthalene                                | 0.3            |
| Acenaphthylene                             | <0.2           |
| Acenaphthene                               | <0.2           |
| Fluorene                                   | <0.2           |
| Phenanthrene                               | <0.2           |
| Anthracene                                 | <0.2           |
| Fluoranthene                               | <0.2           |
| Pyrene                                     | <0.2           |
| Benzo[a]anthracene                         | <0.2           |
| Chrysene                                   | <0.2           |
| Indeno[1,2,3-c,d]pyrene                    | <0.2           |
| Benzo[b]fluoranthene                       | <0.2           |
| Benzo[k]fluoranthene                       | <0.2           |
| Benzo[a]pyrene                             | <0.2           |
| Dibenzo[a,h]anthracene                     | <0.2           |
| Benzo[g,h,i]perylene                       | <0.2           |
| Benzo[e]pyrene                             | <0.2           |
| Benzo[j]fluoranthene                       | <0.2           |
| <b>Sum of PAHs</b>                         | 0.3            |
| <b>Classification of samples: Category</b> | 2              |
| <b>Conclusion</b>                          | P              |

Remarks :

P = Pass

Detection limit = 0.2 mg/kg

Tested Components :

(1) Yellow plastic (cord).

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(B) Limits for PAH in products

| Parameter  | Product                                                                                                                  | Benzo[a]pyrene             | Sum 18 PAH (EPA)           |
|------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------|
| Category 1 | Materials intended to be put in the mouth or materials of toys for children aged < 36 months with intended skin contact. | Not detected (<0.2 mg/kg)# | Not detected (<0.2 mg/kg)# |
| Category 2 | Materials not covered by category 1, with foreseeable skin contact for longer than 30 seconds (long term skin contact).  | 1 mg/kg                    | 10 mg/kg                   |
| Category 3 | Materials not covered by category 1 or 2 with foreseeable contact to skin up to 30 seconds (short term skin contact)     | 20 mg/kg                   | 200 mg/kg                  |

Remark:

# : If the limits of Category 1 are surpassed but the limits of Category 2 still met, the confirmation of suitability of contact with foodstuff or the oral mucosa can be verified by an additional migration test of the PAH components according to DIN EN 1186 and § 64 LFGB 80.30-1. The results of the migration test shall be evaluated according to law criteria for foodstuff.

Date sample received : Nov 10, 2014

Testing period : Nov 10, 2014 to Nov 14, 2014

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End of report

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