

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: HKGH01232894

Applicant: LIFESTRENGTH LLC 1224 S. RIVER ROAD  
SUITE B100 ST. GEORGE  
UTAH 84790 USA  
Attn: HOWARD HARMER

Date: Nov 03, 2011

Sample Description:

Three (3) pieces of submitted sample said to be :

Item Name : **Silicon Band with Mylar and Negative Ion Powder**  
Buyer : Steve Schone  
Country of Origin : China



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Tests conducted:

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

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Conclusion:

<u>Tested Sample</u>	<u>Standard</u>	<u>Result</u>
Tested components of submitted samples	With reference to test method of IEC 62321 edition 1.0 : 2008 and maximum concentration limits quoted from RoHS Directives 2002/95/EC and amendment 2005/618/EC	Pass

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

Karen S.C. Ng  
General Manager



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Number: HKGH01232894

Tests Conducted

RoHS Chemical Test

(A) Test Result Summary:

Testing Item	Result		
	(1)	(2)	(3)
Cadmium (Cd) Content (mg/kg)	ND(<2)	ND(<2)	ND(<2)
Lead (Pb) Content (mg/kg)	ND(<2)	ND(<2)	ND(<2)
Mercury (Hg) Content (mg/kg)	ND(<2)	ND(<2)	ND(<2)
Chromium (VI) (Cr <sup>6+</sup> ) Content (mg/kg) (For Non-metal)	ND(<1)	ND(<1)	ND(<1)
Polybrominated Biphenyls (PBBs) (mg/kg)			
Monobromobiphenyl (MonoBB)	ND(<5)	ND(<5)	ND(<5)
Dibromobiphenyl (DiBB)	ND(<5)	ND(<5)	ND(<5)
Tribromobiphenyl (TriBB)	ND(<5)	ND(<5)	ND(<5)
Tetrabromobiphenyl (TetraBB)	ND(<5)	ND(<5)	ND(<5)
Pentabromobiphenyl (PentaBB)	ND(<5)	ND(<5)	ND(<5)
Hexabromobiphenyl (HexaBB)	ND(<5)	ND(<5)	ND(<5)
Heptabromobiphenyl (HeptaBB)	ND(<5)	ND(<5)	ND(<5)
Octabromobiphenyl (OctaBB)	ND(<5)	ND(<5)	ND(<5)
Nonabromobiphenyl (NonaBB)	ND(<5)	ND(<5)	ND(<5)
Decabromobiphenyl (DecaBB)	ND(<5)	ND(<5)	ND(<5)
Polybrominated Diphenyl Ethers (PBDEs) (mg/kg)			
Monobromodiphenyl Ether (MonoBDE)	ND(<5)	ND(<5)	ND(<5)
Dibromodiphenyl Ether (DiBDE)	ND(<5)	ND(<5)	ND(<5)
Tribromodiphenyl Ether (TriBDE)	ND(<5)	ND(<5)	ND(<5)
Tetrabromodiphenyl Ether (TetraBDE)	ND(<5)	ND(<5)	ND(<5)
Pentabromodiphenyl Ether (PentaBDE)	ND(<5)	ND(<5)	ND(<5)
Hexabromodiphenyl Ether (HexaBDE)	ND(<5)	ND(<5)	ND(<5)
Heptabromodiphenyl Ether (HeptaBDE)	ND(<5)	ND(<5)	ND(<5)
Octabromodiphenyl Ether (OctaBDE)	ND(<5)	ND(<5)	ND(<5)
Nonabromodiphenyl Ether (NonaBDE)	ND(<5)	ND(<5)	ND(<5)
Decabromodiphenyl Ether (DecaBDE)	ND(<5)	ND(<5)	ND(<5)

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Testing Item	Result
	(4)
Cadmium (Cd) Content (mg/kg)	ND(<2)
Lead (Pb) Content (mg/kg)	ND(<2)
Mercury (Hg) Content (mg/kg)	ND(<2)
Chromium (VI) (Cr <sup>6+</sup> ) Content (mg/kg) (For Non-metal)	ND(<1)
Polybrominated Biphenyls (PBBs) (mg/kg)	
Monobromobiphenyl (MonoBB)	ND(<5)
Dibromobiphenyl (DiBB)	ND(<5)
Tribromobiphenyl (TriBB)	ND(<5)
Tetrabromobiphenyl (TetraBB)	ND(<5)
Pentabromobiphenyl (PentaBB)	ND(<5)
Hexabromobiphenyl (HexaBB)	ND(<5)
Heptabromobiphenyl (HeptaBB)	ND(<5)
Octabromobiphenyl (OctaBB)	ND(<5)
Nonabromobiphenyl (NonaBB)	ND(<5)
Decabromobiphenyl (DecaBB)	ND(<5)
Polybrominated Diphenyl Ethers (PBDEs) (mg/kg)	
Monobromodiphenyl Ether (MonoBDE)	ND(<5)
Dibromodiphenyl Ether (DiBDE)	ND(<5)
Tribromodiphenyl Ether (TriBDE)	ND(<5)
Tetrabromodiphenyl Ether (TetraBDE)	ND(<5)
Pentabromodiphenyl Ether (PentaBDE)	ND(<5)
Hexabromodiphenyl Ether (HexaBDE)	ND(<5)
Heptabromodiphenyl Ether (HeptaBDE)	ND(<5)
Octabromodiphenyl Ether (OctaBDE)	ND(<5)
Nonabromodiphenyl Ether (NonaBDE)	ND(<5)
Decabromodiphenyl Ether (DecaBDE)	ND(<5)

mg/kg = milligram per kilogram  
 < = Less than  
 ND = Not detected

Tested components:

- (1) Black plastic (band).
- (2) Yellow plastic (words).
- (3) Transparent plastic (sticker cover).
- (4) Silver color laser label (sticker).

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(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 2002/95/EC and Amendment 2005/618/EC for homogeneous material.

(C) Test Method:

Testing Item	Testing Method	Reporting Limit
Cadmium (Cd) Content	With reference to IEC 62321 edition 1.0 : 2008, by acid digestion and determined by ICP-OES	2 mg/kg
Lead (Pb) Content	With reference to IEC 62321 edition 1.0 : 2008, by acid digestion and determined by ICP-OES	2 mg/kg
Mercury (Hg) Content	With reference to IEC 62321 edition 1.0 : 2008, by acid digestion and determined by ICP-OES	2 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	5 mg/kg

Date sample received: Oct 18, 2011

Testing period: Oct 18, 2011 to Nov 01, 2011

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End of report

