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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: HKGH01673741

Applicant: BEHAVE SIERADEN B.V.
LANGEWEG 11
4527 PN AARDENBURY
NEDERLAND

Date: Aug 13, 2014

Submitted sample said to be :
Item Name : **Loom Band**
Quantity : 1 set
Labelled Age Group : Not specified
Packaging Provided : Yes
Country of Origin : China

Conclusion:

The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details :

| <u>Requirement</u> | <u>Result</u> |
|---|---------------|
| (1) EN71-1 : 2011 + A3 : 2014 - Mechanical and physical properties | Pass |
| (2) EN71-2 : 2011 + A1:2014 - Flammability test | Pass |
| (3) EN71-3 : 2013 - Migration of certain elements | Pass |
| (4) REACH Regulation (EC) No.1907/2006 , Annex XVII Item 23 & amendment No. 835/2012 - Cadmium content requirement | Pass |
| (5) REACH Regulation (EC) no. 1907/2006, Annex XVII Items 51 & 52 & amendment no. 552/2009 (formerly known as Directive 2005/84/EC) - Phthalates content | Pass |

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

Angel Y.F. Cheung
Vice President





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(1) Mechanical and Physical Test

Test standard: European Standard on Safety of toys EN71-1 : 2011 + A3 : 2014

Age group for testing : Ages over 3 years.

| Clause | Testing items | Assessment |
|--------|--|------------|
| 4 | General requirements | |
| 4.1 | Material | P |
| 4.2 | Assembly | NA |
| 4.3 | Flexible plastic sheeting | NA |
| 4.4 | Toy bags | NA |
| 4.5 | Glass | NA |
| 4.6 | Expanding materials | NA |
| 4.7 | Edges | P |
| 4.8 | Points and metallic wires | P |
| 4.9 | Protruding parts | NA |
| 4.10 | Parts moving against each other | NA |
| 4.11 | Mouth actuated toys and other toys intended to be put in the mouth | NA |
| 4.12 | Balloons | NA |
| 4.13 | Cords of toy kites and other flying toys | NA |
| 4.14 | Enclosures | NA |
| 4.15 | Toys intended to bear the mass of a child | NA |
| 4.16 | Heavy immobile toys | NA |
| 4.17 | Projectiles | NA |
| 4.18 | Aquatic toys and inflatable toys | NA |
| 4.19 | Percussion caps specifically designed for use in toys and toys using percussion caps | NA |
| 4.20 | Acoustics | NA |
| 4.21 | Toys containing non-electrical heat source | NA |
| 4.22 | Small balls | NA |
| 4.23 | Magnets | NA |
| 4.24 | Yo-yo balls | NA |
| 4.25 | Toys attached to food | NA |
| 5 | Toys intended for children under 36 months | |
| 5.1 | General requirements for children under 36 months | NA |
| 5.2 | Soft-filled toys and soft-filled parts of a toy | NA |
| 5.3 | Plastic sheeting | NA |
| 5.4 | Cords, chains and electrical cables in toys | NA |
| 5.5 | Liquid filled toys | NA |
| 5.6 | Speed limitation of electrically-driven ride-on toys | NA |
| 5.7 | Glass and porcelain | NA |
| 5.8 | Shape and size of certain toys | NA |





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| Clause | Testing items | Assessment |
|--------|---|------------|
| 5.9 | Toys comprising monofilament fibres | NA |
| 5.10 | Small balls | NA |
| 5.11 | Play figures | NA |
| 5.12 | Hemispheric-shaped toys | NA |
| 5.13 | Suction cups | NA |
| 5.14 | Straps intended to be worn fully or partially around the neck | NA |
| 6 | Packaging | NA |
| 7 | Warnings, markings and instructions for use | |
| 7.1 | General | P |
| 7.2 | Toys not intended for children under 36 months | P# |
| 7.3 | Latex balloons | NA |
| 7.4 | Aquatic toys | NA |
| 7.5 | Functional toys | NA |
| 7.6 | Hazardous sharp functional edges and points | NA |
| 7.7 | Projectiles | NA |
| 7.8 | Imitation protective masks and helmets | NA |
| 7.9 | Toy kites | NA |
| 7.10 | Roller skates, inlineskates and skateboards and certain other ride-on toys | NA |
| 7.11 | Toys intended to be attached to strung across a cradle, cot, or perambulator | NA |
| 7.12 | Liquid-filled teethers | NA |
| 7.13 | Percussion caps specifically designed for use in toys | NA |
| 7.14 | Acoustics | NA |
| 7.15 | Toy bicycles | NA |
| 7.16 | Toys intended to bear the mass of a child | NA |
| 7.17 | Toys comprising monofilament fibres | NA |
| 7.18 | Toy scooters | NA |
| 7.19 | Rocking horses and similar toys | NA |
| 7.20 | Magnetic/electrical experimental sets | NA |
| 7.21 | Toys with electrical cables exceeding 300 mm in length | NA |
| 7.22 | Toys with cords or chains intended for children of 18 months and over but under 36 months | NA |

Remark : P = Pass

NA = Not Applicable

= Age warning statement, graphical symbol and the indication of hazard was found on the packaging.





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Remark :

Below are additional information according to the Toy Safety Directives 2009/48/EC requirement. These information also appears as a note within the EN71 but are not standard requirements:

Marking

The manufacturer's and importer's name, registered trade name or registered trade mark, the address and type, batch, serial or model number or other element allowing their identification shall be indicated on the product itself. In addition, toys or packagings shall also bear the CE-marking.

After checking, it was found that:

- Manufacturer's name and address was missed.
- Importer's name and address was missed.
- Product identification code was missed.
- The CE-marking was not in a correct format.

Date sample received : Jul 02, 2014 and Aug 06, 2014

Testing period : Jul 02, 2014 to Aug 06, 2014

(2) Flammability Test

Test Standard : European Standard on Safety of Toys EN71-2:2011 + A1:2014

| Clause | Testing items | Assessment |
|--------|---|------------|
| 4.1 | General | P |
| 4.2 | Toys to be worn on the head | NA |
| 4.3 | Toy disguise costumes and toys intended to be worn by a child in play | NA |
| 4.4 | Toys intended to be entered by a child | NA |
| 4.5 | Soft filled toys | NA |

Remark : P = Pass

NA= Not applicable

Date sample received : Jul 02, 2014

Testing period : Jul 02, 2014 to Jul 05, 2014





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(3) 19 Toxic Element Migration Test

Test Standard : EN71-3:2013

Category (III): Scraped-off toy material

| Element | Result (mg/kg) | | Limit (mg/kg) |
|----------------------------|----------------|-------|---------------|
| | (1) | (2) | |
| Aluminium (Al) | < 300 | < 300 | 70000 |
| Antimony (Sb) | < 10 | < 10 | 560 |
| Arsenic (As) | < 10 | < 10 | 47 |
| Barium (Ba) | < 10 | < 10 | 18750 |
| Boron (B) | < 50 | < 50 | 15000 |
| Cadmium (Cd) | < 5 | < 5 | 17 |
| Chromium (III) (Cr III) ** | <10 | <10 | 460 |
| Chromium (VI) (Cr VI) ** | < 0.1 | < 0.1 | 0.2 |
| Cobalt (Co) | < 10 | < 10 | 130 |
| Copper (Cu) | < 10 | < 10 | 7700 |
| Lead (Pb) | < 10 | < 10 | 160 |
| Manganese (Mn) | < 10 | < 10 | 15000 |
| Mercury (Hg) | < 10 | < 10 | 94 |
| Nickel (Ni) | < 10 | < 10 | 930 |
| Selenium (Se) | < 10 | < 10 | 460 |
| Strontium (Sr) | < 100 | < 100 | 56000 |
| Tin (Sn) | < 10 | < 10 | 180000 |
| Organic tin ** | < 2.0 | < 2.0 | 12 |
| Zinc (Zn) | < 100 | < 100 | 46000 |

Remark : mg/kg = milligram per kilogram

** = Unless the test results were marked with "#" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.

- Organic tin test result was expressed as tributyl tin.

- As per General Court of the European Union Judgment in Case T-198/12 dated 14 May 2014, the General Court confirmed that Germany could maintain its limit value for Lead(Pb)(90mg/kg) in toys but not for Antimony (Sb), Arsenic (As), Mercury (Hg) and Barium (Ba).

Tested Components :

- (1) Orange plastic (handle).
- (2) Green plastic (elastic band).

Date sample received : Jul 02, 2014

Testing period : Jul 02, 2014 to Jul 07, 2014





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(4) Cadmium (Cd) Content

Test Method : Cadmium content requirement in Commission Regulation (EU) No. 835/2012 amending Annex XVII Item 23 of the REACH Regulation (EC) No. 1907/2006, acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

| Tested Component | Result in % |
|------------------|-------------|
| (1) | ND |

Limit:

| Category | Limit (%) |
|---|---------------|
| Wet paint | Not permitted |
| Surface coating | 0.1 |
| Plastic | 0.01 |
| Metal parts of jewelry & hair accessories | 0.01 |

ND = Not detected (< 0.0005%)

Tested Component : (1) Green plastic (elastic band).

Date sample received : Jul 02, 2014

Testing period : Jul 02, 2014 to Jul 07, 2014





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(5) Phthalate Content Test

Test Method : EN14372, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

| Compound | Result (% w/w) | Limit (% w/w) (max.) |
|--------------------------------|----------------|-------------------------|
| | (1) | |
| Dibutyl phthalate (DBP) | <0.01 | -- |
| Diethyl hexyl phthalate (DEHP) | <0.01 | -- |
| Benzyl butyl phthalate (BBP) | <0.01 | -- |
| Sum of DBP,DEHP & BBP | <0.01 | 0.1 |

| | | |
|-------------------------------|-------|-----|
| Di-iso-nonyl phthalate (DINP) | <0.01 | -- |
| Di-n-octyl phthalate (DnOP) | <0.01 | -- |
| Di-iso-decyl phthalate (DIDP) | <0.01 | -- |
| Sum of DINP,DnOP & DIDP | <0.01 | 0.1 |

Remark : The above limit was quoted according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) no. 1907/2006 & amendment no. 552/2009 (formerly known as Directive 2005/84/EC) for phthalate content in toys and childcare articles.

Tested component : (1) Green plastic (elastic band).

Date sample received : Jul 02, 2014

Testing period : Jul 02, 2014 to Jul 04, 2014

End of report

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