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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: HKGH02075328

Applicant: VASEN INTERNATIONAL LIMITED
FLAT 909-911 9/F KWONG SANG HONG CTR
151-153 HOI BUN RD
KWUN TONG KLN
HK

Date: Jan 16, 2017

Attn: ZEN WONG

| | | |
|--|---|--------------------------|
| Submitted samples said to be | : | |
| Item Name | : | Adult Diving Fins |
| Style No. | : | F-6869 |
| Quantity | : | Five pairs |
| Labelled Age Group | : | Not specified |
| Packaging Provided | : | No |
| Additional Material and Wet Paint Provided | : | No |
| Buyer | : | TESCO |
| Country of Origin | : | China |



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

Angel Y.F. Cheung
Vice President





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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: 2014 - Mechanical and Physical Properties | Pass |
| (2) EN71-2 : 2011 + A1 : 2014 - Flammability Test | Pass |
| (3) EN71-3 : 2013 + A1:2014 - Migration of certain elements | Pass |
| (4) REACH Regulation (EC) No.1907/2006 , Annex XVII Item 23 & amendment No. 2016/217 - Cadmium content requirement | Pass |



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(1) Physical and Mechanical Tests

Test Standard : European Standard on Safety of Toys EN71-1:2014

Age group for testing : For Ages over 8 Years

| Clause | Requirement | Assessment |
|--------|--|------------|
| 4 | General requirements | |
| 4.1 | Material cleanliness | 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 into 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 toys intended 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 |
| 5.9 | Toys comprising monofilament fibres | NA |
| 5.10 | Small balls | NA |
| 5.11 | Play figures | NA |



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| Clause | Requirement | Assessment |
|--------|---|------------|
| 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 | #1 |

Abbreviation : P = Pass NA = Not Applicable

Remark(s):

#1 = Clause 7 - The item examined is not a toy. Therefore, the warning and other requirements as specified in this clause do not apply.

Comment: The scope of the standard was not applicable to the submitted samples. Testing was conducted with reference to the test method and requirements as stated.

Date sample received : Jan 12, 2017
Test Period : Jan 12, 2017 to Jan 13, 2017

(2) Flammability Test

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

| Clause | Requirement | 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 |

Abbreviation : P = Pass NA = Not Applicable

Comment: The scope of the standard was not applicable to the submitted samples. Testing was conducted with reference to the test method and requirements as stated.

Date sample received : Jan 12, 2017
Test Period : Jan 12, 2017 to Jan 13, 2017



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(3) 19 Toxic Element Migration Test

Test Standard : EN71-3:2013 + A1:2014

Category (III): Scraped-off toy material:

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

mg/kg = milligram per kilogram

++ : Unless the test results were marked with "Λ" 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.

Tested Components:

- (1) Black plastic (diving fins).
- (2) Black plastic (diving fins).

Date sample received : Jan 12, 2017

Test Period : Jan 12, 2017 to Jan 14, 2017



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(4) Cadmium (Cd) Content

Test Method : Acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

| Tested Component | Result in %, w/w | Limit in %, w/w |
|------------------|------------------|-----------------|
| (1/2) | ND | 0.01 |

ND : Not detected (< 0.0005%)

Tested Components:

- (1) Black plastic (diving fins).
- (2) Black plastic (diving fins).

Date sample received : Jan 12, 2017
Test Period : Jan 12, 2017 to Jan 14, 2017

End of report

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