

.....

**Issuing Laboratory:**  
**Intertek Testing Services Hong Kong Ltd.**

This Laboratory is accredited by the United Kingdom Accreditation Service (UKAS) for specific tests and / or measurements and the result shown in this report have been determined in accordance with the Laboratory's terms of accreditation. This report shall not be reproduced unless with prior written approval of this laboratory.



2427

## TEST REPORT

Applicant: BONNINGTON PLASTICS LIMITED  
KINGFISHER HOUSE  
GLAISDALE PARKWAY  
NOTTINGHAM  
NOTTINGHAM NG8 4GP  
UK  
Attn: DAMIAN WIELGAT

Number: HKGH02282360

Date: Apr 27, 2018

Submitted sample said to be :  
Item Name : **Wooden Quoits Garden Game**  
Item No. : **GA010**  
Quantity : 3 pieces  
Labelled Age Group : "3+"  
Packaging Provided : Yes  
Country of Origin : China  
\*\*\*\*\*

Prepared and checked by:  
For Intertek Testing Services HK Ltd

Angel Y.F. Cheung  
Vice President



.....  
**Issuing Laboratory:**  
**Intertek Testing Services Hong Kong Ltd.**

This Laboratory is accredited by the United Kingdom Accreditation Service (UKAS) for specific tests and / or measurements and the result shown in this report have been determined in accordance with the Laboratory's terms of accreditation.



2427

## TEST REPORT

Number : HKGH02282360

**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 Items 51 & 52 & amendment no. 552/2009 - Phthalates content	Pass

\*\*\*\*\*



**Issuing Laboratory:**  
**Intertek Testing Services Hong Kong Ltd.**

This Laboratory is accredited by the United Kingdom Accreditation Service (UKAS) for specific tests and / or measurements and the result shown in this report have been determined in accordance with the Laboratory's terms of accreditation.



2427

## TEST REPORT

Number : HKGH02282360

(1) Physical and Mechanical Tests

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

Age group for testing : For Ages Over 3 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	P
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

\*\*\*\*\*



**Issuing Laboratory:  
Intertek Testing Services Hong Kong Ltd.**

This Laboratory is accredited by the United Kingdom Accreditation Service (UKAS) for specific tests and / or measurements and the result shown in this report have been determined in accordance with the Laboratory's terms of accreditation.



2427

## TEST REPORT

Number : HKGH02282360

Clause	Requirement	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	NA
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, inline skates, skateboards and certain other ride-on toys	NA
7.11	Toys intended to be attached to or 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

Abbreviation : P = Pass NA = Not Applicable

\*\*\*\*\*



**Issuing Laboratory:  
Intertek Testing Services Hong Kong Ltd.**

This Laboratory is accredited by the United Kingdom Accreditation Service (UKAS) for specific tests and / or measurements and the result shown in this report have been determined in accordance with the Laboratory's terms of accreditation.



2427

## TEST REPORT

Number : HKGH02282360

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

### 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

	Toy	Packaging
Manufacturer's name	Absent	Present
Manufacturer's address	Absent	Present
Importer's name	Absent	Present
Importer's address	Absent	Present
Product identification code	Absent	Present
CE-marking	Absent	Present

Date sample received : Apr 13, 2018  
Test Period : Apr 13, 2018 to Apr 18, 2018

### (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

Date sample received : Apr 13, 2018  
Test Period : Apr 13, 2018 to Apr 18, 2018

\*\*\*\*\*



**Issuing Laboratory:  
Intertek Testing Services Hong Kong Ltd.**

This Laboratory is accredited by the United Kingdom Accreditation Service (UKAS) for specific tests and / or measurements and the result shown in this report have been determined in accordance with the Laboratory's terms of accreditation.



2427

## TEST REPORT

Number : HKGH02282360

(3) 19 Toxic Element Migration Test

Test Method : Acid extraction method was used and toxic elements content were determined by Inductively Coupled Argon Plasma Spectrometry and/or Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry and/or Gas Chromatographic - Mass Spectrometry

Category (III): Scraped-off toy material:

	Result (mg/kg)			Limit (mg/kg)
	(1)	(2)	(3)	
Soluble Aluminium (Al)	<300	<300	<300	70000
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III) ++	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI) ++	<0.1	<0.1	<0.1	0.2
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	160
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

\*\*\*\*\*



**Issuing Laboratory:  
Intertek Testing Services Hong Kong Ltd.**

This Laboratory is accredited by the United Kingdom Accreditation Service (UKAS) for specific tests and / or measurements and the result shown in this report have been determined in accordance with the Laboratory's terms of accreditation.



2427

## TEST REPORT

Number : HKGH02282360

	Result (mg/kg)			Limit (mg/kg)
	(4)	(5)	(6)	
Soluble Aluminium (Al)	<300	<300	<300	70000
Soluble Antimony (Sb)	<10	<10	<10	560
Soluble Arsenic (As)	<10	<10	<10	47
Soluble Barium (Ba)	<10	<10	<10	18750
Soluble Boron (B)	<50	<50	<50	15000
Soluble Cadmium (Cd)	<5	<5	<5	17
Soluble Chromium (III) (Cr III) ++	<10	<10	<10	460
Soluble Chromium (VI) (Cr VI) ++	<0.1	<0.1	<0.1	0.2
Soluble Cobalt (Co)	<10	<10	<10	130
Soluble Copper (Cu)	<10	<10	<10	7700
Soluble Lead (Pb)	<10	<10	<10	160
Soluble Manganese (Mn)	<10	<10	<10	15000
Soluble Mercury (Hg)	<10	<10	<10	94
Soluble Nickel (Ni)	<10	<10	<10	930
Soluble Selenium (Se)	<10	<10	<10	460
Soluble Strontium (Sr)	<100	<100	<100	56000
Soluble Tin (Sn)	<10	<10	<10	180000
Soluble Organic tin ++	<2.0	<2.0	<2.0	12
Soluble Zinc (Zn)	<100	<100	<100	46000

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.

The new lead migration limit [(2.0mg/kg for Category (I), 0.5mg/kg for category (II) and 23 mg/kg for Category (III)] was quoted from directive (EU) 2017/738 amending 2009/48/EC effective from 28 October 2018.

\*\*\*\*\*



**Issuing Laboratory:  
Intertek Testing Services Hong Kong Ltd.**

This Laboratory is accredited by the United Kingdom Accreditation Service (UKAS) for specific tests and / or measurements and the result shown in this report have been determined in accordance with the Laboratory's terms of accreditation.



2427

## TEST REPORT

Number : HKGH02282360

Tested Components:

- (1) Green coating on wood (quoit, wooden base section).
- (2) White coating on wood (wooden base section).
- (3) Red coating on wood (quoit, wooden base section).
- (4) White plastic (rope).
- (5) Pale yellow wood (quoit, wooden base section, scoring pegs).
- (6) Paper board with plastic film (box).

Date sample received : Apr 13, 2018

Test Period : Apr 13, 2018 to Apr 20, 2018

\*\*\*\*\*





**Issuing Laboratory:**  
**Intertek Testing Services Hong Kong Ltd.**

This Laboratory is accredited by the United Kingdom Accreditation Service (UKAS) for specific tests and / or measurements and the result shown in this report have been determined in accordance with the Laboratory's terms of accreditation.



2427

## TEST REPORT

Number : HKGH02282360

(4) Phthalate Content Test

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

Six Phthalate content:

Compound	Result (% w/w)			Limit (% w/w)
	(1/2/3)	(4)	(5)	
Dibutyl phthalate (DBP)	<0.01	<0.01	<0.01	--
Diethyl hexyl phthalate (DEHP)	<0.01	<0.01	<0.01	--
Benzyl butyl phthalate (BBP)	<0.01	<0.01	<0.01	--
Sum of DBP, DEHP & BBP	<0.01	<0.01	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	<0.01	<0.01	--
Di-n-octyl phthalate (DnOP)	<0.01	<0.01	<0.01	--
Diisodecyl phthalate (DIDP)	<0.01	<0.01	<0.01	--
Sum of DINP, DnOP & DIDP	<0.01	<0.01	<0.01	0.1

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

\*\*\*\*\*



.....  
**Issuing Laboratory:**  
**Intertek Testing Services Hong Kong Ltd.**

This Laboratory is accredited by the United Kingdom Accreditation Service (UKAS) for specific tests and / or measurements and the result shown in this report have been determined in accordance with the Laboratory's terms of accreditation.



2427

## TEST REPORT

Number : HKGH02282360

Tested Components:

- (1) Green coating on wood (quoit, wooden base section).
- (2) White coating on wood (wooden base section).
- (3) Red coating on wood (quoit, wooden base section).
- (4) White plastic (rope).
- (5) Paper board with plastic film (box).

Date sample received : Apr 13, 2018

Test Period : Apr 13, 2018 to Apr 23, 2018

\*\*\*\*\*

End of report

*Except where explicitly agreed in writing, all work and services performed by Intertek is subject to our standard Terms and Conditions which can be obtained at our website: <http://www.intertek.com/terms/>. Intertek's responsibility and liability are limited to the terms and conditions of the agreement.*

*This report is made solely on the basis of your instructions and / or information and materials supplied by you and provide no warranty on the tested sample(s) be truly representative of the sample source. The report is not intended to be a recommendation for any particular course of action, you are responsible for acting as you see fit on the basis of the report results. Intertek is under no obligation to refer to or report upon any facts or circumstances which are outside the specific instructions received and accepts no responsibility to any parties whatsoever, following the issue of the report, for any matters arising outside the agreed scope of the works. This report does not discharge or release you from your legal obligations and duties to any other person. You are the only one authorized to permit copying or distribution of this report (and then only in its entirety). Any such third parties to whom this report may be circulated rely on the content of the report solely at their own risk.*

*This report shall not be reproduced, except in full.*

