

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: HKGH0140226102

Applicant: MARIAN PLAST LTD
102 MORIA ST HAIFA
ISRAEL 31070

Date: Dec 31, 2012

Attn: HAIM ROZENBOIM

Sample Description:

One (1) set of submitted sample said to be :

Item Name	: Large Slide
Ref. No.	: 300-0587
Labelled Age Group	: "+2 years"
Packaging Provided	: Yes
Manufacturer	: Marian Plast Ltd.
Country of Origin	: Israel



Tests conducted:

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

To be continued

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

Karen S.C. Ng
General Manager





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Conclusion:

<u>Tested samples</u>	<u>Standard</u>	<u>Result</u>
Submitted sample set	EN71-1 : 2011 for mechanical and physical properties	Pass
	EN71-2 : 2011 for Flammability test	Pass
	BS EN 71-8:2011, Safety of toys - Part 8: Activity toys for domestic use	See details enclosed

<u>Tested samples</u>	<u>Standard</u>	<u>Result</u>
Submitted sample set	Australian / New Zealand Standard AS/NZS ISO 8124-1:2010 + A1:2011 safety aspects related to mechanical and physical properties	Pass
	Australian Trade Practice Act 1974 with Consumer Protection Notice no. 14 of 2003 Consumer Product Safety Standard for Toys for children up to and including 36 months of age.	Pass

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

Karen S.C. Ng
General Manager



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Tests Conducted

1 Safety requirement for slide

Test standard: BS EN 71-8:2011, Safety of toys - Part 8: Activity toys for domestic use.

Applicant's specified

- Age group for testing: Age of 2 years old or above

Number of samples tested: One (1) piece.

Clause	Requirement	Result
4.1	General	
4.1.1	Assembly	P
4.1.2	Static strength	P
4.1.3	Maximum height	P
4.1.4	Corners and edges	P
4.1.5	Protruding parts	P
4.1.6	Diameter of ropes and other means of suspension	NA
4.2	Barriers, handrails and ladders and similar means of access to activity toys	
4.2.1	Barriers and handrails preventing a child from falling down	P
4.2.2	Ladders and similar means of access to activity toys	P
4.3	Entrapment	
4.3.1	Head and neck entrapment	P
4.3.2	Entrapment of clothing and hair	P
4.3.3	Entrapment of feet	P
4.3.4	Entrapment of fingers	P
4.4	Stability of activity toys other than slides, swings and activity toys with crossbeams, and see-saws	
4.4.2	Stability of activity toys with a free height of fall of 600 mm or less	NA
4.4.3	Stability of activity toys with a free height of fall of more than 600 mm	NA
4.5	Slides	
4.5.1	Stability of slides	NT#1
4.5.2	Retaining sides for slides	P
4.5.3	Starting, sliding and run-out sections on slides	P
4.6	Swings	NA
4.7	See-saws	NA
4.8	Carousels and rocking activity toys	NA
4.9	Paddling pools	NA
5	Warnings, markings, and instructions	
5.1	Warnings and markings	
5.1.1	General	P
5.1.2	Warning for Paddling pools	NA
5.2	Assembly and installation instruction	P
5.3	Maintenance	P

Abbreviation: P = Pass; NA = Not Applicable; NT= Not tested



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Remark:

#1 - This clause was not tested due to the variability of results based on differing ground surfaces obtained when testing samples that are secured with removable ground anchors, in addition it is our finding that this test is not repeatable in a laboratory environment.

Date sample received: Oct 25, 2012, Dec 20, 2012

Testing period: Oct 25, 2012 to Dec 28, 2012

2 Mechanical and Physical Test

As per European Standard on Safety of toys EN71-1 : 2011.

Appropriate age group for testing : Ages over 24 months.

<u>Clause</u>	<u>Testing items</u>	<u>Assessment</u>
4*	General requirements	P
5*	Toys intended for children under 36 months	P
6	Packaging	P
7	Warnings, markings and instructions for use	P

Remark : P = Pass

* = The following subclauses of Clause 4 and 5 (note) of the standard were applicable : -

- 1) 4.1 Material cleanliness.
- 2) 4.2 Assembly.
- 3) 4.7 Edges.
- 4) 4.8 Points and metallic wires.
- 5) 5.1 General requirements for toys intended for children under 36 months.

Note : The submitted samples were undergone the abuse tests for Clause 5.1 in according to 8.3 (Torque test), 8.4 (Tension test), 8.5 (Drop test), 8.7 (Impact test), 8.8 (Compression test) and specific tests for different types of toys whichever applicable.



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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:

1. 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 on the packaging only.
- Importer's name and address was missed.
- Product identification code was on the packaging only.

2. Cleaning instruction

A toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. The toy shall fulfill the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions. The manufacturer should, if applicable, provided instructions on how the toy has to be cleaned.

After checking, the cleaning instruction was not found on the submitted samples.

Date sample received : Oct 24, 2012

Testing period : Oct 24, 2012 to Oct 29, 2012

3 Flammability Test

As per European Standard on Safety of Toys EN71-2:2011

<u>Clause</u>	<u>Testing items</u>	<u>Assessment</u>
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 : Oct 24, 2012

Testing period : Oct 24, 2012 to Oct 29, 2012



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4 Physical And Mechanical Tests

As per the Australian / New Zealand Standard AS/NZS ISO 8124-1:2010 + A1:2011 safety aspects related to mechanical and physical properties.

Appropriate age group for testing : Ages over 24 months.

The submitted samples were undergone the normal use and the following reasonable foreseeable abuse tests in accordance with the clause 5.24 of AS/NZS ISO 8124-1 : 2010 before the assessment of the relevant requirement in clause 4 :

<u>Clause</u>	<u>Test</u>	<u>Parameter</u>
5.24.3	Tip-over test	3 times
5.24.5	Torque test	0.45±0.02Nm
5.24.6	Tension test	70±2N
5.24.7	Compression test	136±2N

<u>Section</u>	<u>Testing items</u>	<u>Assessment</u>
4.1	Normal use	P
4.2	Reasonably foreseeable abuse	P
4.3	Material	P
4.4.1	Small parts	P
4.4.2	Small part warning	NA
4.5	Shape, size and strength of certain toys	NA
4.6	Edges	P
4.7	Points	P
4.8	Projections	NA
4.9	Metal wires and rods	NA
4.10	Plastic film or plastic bags in packaging and in toys	P
4.11	Cords and elastic	NA
4.12	Folding mechanisms	NA
4.13	Holes, clearances and accessibility of mechanisms	NA
4.14	Springs	NA
4.15	Stability and overload requirement	P
4.16	Enclosures	NA
4.17	Simulated protective equipment, such as helmets, hats and goggles	NA
4.18	Projectile toys	NA
4.19	Aquatic toys	NA
4.20	Braking	NA
4.21	Toy bicycles	NA
4.22	Speed limitation of electrically driven ride-on toys	NA
4.23	Toys containing a heat source	NA
4.24	Liquid-filled toys	NA





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<u>Section</u>	<u>Testing items</u>	<u>Assessment</u>
4.25	Mouth-actuated toys	NA
4.26	Toy roller skates, toy inline skates and toy skateboards	NA
4.27	Percussion caps	NA
4.28	Acoustic requirements	NA
4.29	Toy scooters	NA
4.30	Magnets	NA
Annex B	Safety labeling guidelines and manufacturer's markings	P
Annex D	Toy gun marking	NA

Remark : P = Pass NA = Not applicable

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Testing period : Oct 24, 2012 to Oct 29, 2012



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5 Physical and mechanical tests for toys for children up to and including 36 months of age

Australian Trade Practice Act 1974 Section 65c Consumer Product Safety Standard for Toys for children up to and including 36 months of age.

Applicant's specified age group for testing : Ages over 24 months.

The submitted samples were undergone the normal use and the following reasonable foreseeable abuse tests in accordance with the Clause 5.24 OF AS/NZS ISO 8124.1 : 2002 before the assessment of the relevant requirement in Clause 4 and Annex A :

<u>Clause</u>	<u>Test</u>	<u>Parameter</u>
5.24.3	Tip-over test	3 times
5.24.5	Torque test	0.45±0.02Nm
5.24.6	Tension test	70±2N
5.24.7	Compression test	114±2N

<u>Section</u>	<u>Testing Items</u>	<u>Assessment</u>
4.1	Normal use	P
4.2	Reasonably foreseeable abuse	P
4.4	Small parts	P
4.5	Shape, size and strength of certain toys	NA
4.25	Mouth-actuated toys	NA
Annex A.2.3	Battery-operated toy	NA

Remark : P = Pass

NA = Not applicable

Date sample received : Oct 24, 2012

Testing period : Oct 24, 2012 to Oct 29, 2012

End of report

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct.

