



Test Report

No.: NBHL1611016720TY

Date: DEC. 05, 2016

Page: 1 of 7

NINGBO XIUNAN INTERNATIONAL TRADING CO., LTD
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The following sample(s) was/were submitted and identified by the client as:

- Sample Description : TREE SWING
Sample Quantity : 2 SETS
Style/ Item No. : SA-071
Labeled Age Grading : RECOMMENDED FOR CHILDREN 3+ YEARS
Requested Age Grading : 3Y+
Age Group Assessed As Per Age Guideline : 3+ YEARS
Age Group Applied in Testing : 3+ YEARS
Sample Receiving Date : NOV. 25, 2016
Testing Period : NOV. 25, 2016 TO DEC. 05, 2016

Test Requested

Result

ASTM F963-11 Standard Consumer Safety Specification for Toy Safety

Pass

CPSIA section 101(a)(2) - Lead in accessible substrate materials(including Children's Metal Jewelry)

Pass

CPSIA section 108 - Phthalates

Pass

Remark: It is requested by applicant, only the selected material(s) in the submitted sample was (were) tested, the detail of tested material(s) is (are) listed in specimen description in the result page(s)

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Ningbo Branch

Sarah Li

Sarah Li
Approved Signatory



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Test Report

No.: NBHL1611016720TY

Date: DEC. 05, 2016

Page: 2 of 7

Test Conducted:

Result:

ASTM F963-11 STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY

AS SPECIFIED IN ASTM F963-11 STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY

Clauses relevant to the item:

Clause	Description	Result
4	Safety Requirements	
4.1	Material Quality **	Pass
4.2	Flammability Test	Pass (See Detail of test result)
4.3	Toxicology	
4.3.5	Heavy Elements	
4.3.5.1	Heavy Elements in Paint/Similar Surface Coating Materials	N/A
4.3.5.2	Heavy Metal in Substrate Materials	Pass (See Detail of test result)
4.7	Accessible Edges	Pass
4.9	Accessible Points	Pass
4.11	Nails and Fasteners	Pass
4.15	Stability and Over-Load Requirements	Pass
5	Safety Labeling Requirements	
5.2	Age Grading Labeling	Pass
5.16	Promotional Materials	Pass
7	Producer's Markings	
7.1	Producer's Markings	See Remark
<p>(Remark: It is drawn to your attention that either a principal component of a toy or the package of a toy shall be marked with the name and address of the producer or the distributor.)</p>		
8.5	Normal Use Testing	Pass
8.7	Impact Test	Pass
8.8	Torque Test	Pass
8.9	Tension Test	Pass
8.10	Compression Test	Pass

N/A = Not Applicable

** Visual Examination



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Test Report

No.: NBHL1611016720TY

Date: DEC. 05, 2016

Page: 3 of 7

Detail of test result:

ASTM F963-11, Clause 4.2 – Flammability Test
Flammability Test on Solid

Sample
TREE SWING

Burning Rate (inch/sec)
DNI

DNI = Did Not Ignite

N.B. : - Only applicable clauses were shown.

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	NGB16-056666.001	Black plastic rope
SN2	NGB16-056666.002	Blue fabric body
SN3	NGB16-056666.003	Dark blue fabric part
SN4	NGB16-056666.004	Black plastic buckle

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

American Society for Testing and Materials -ASTM F 963-11 - total Lead in Substrate Materials

Test Method : With reference to CPSC Test Method: CPSC-CH-E1002-08.3. Analysis was performed by AAS.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>002</u>
Total Lead (Pb)	100	mg/kg	20	ND
Conclusion				PASS



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Test Report

No.: NBHL1611016720TY

Date: DEC. 05, 2016

Page: 4 of 7

American Society for Testing and Materials –ASTM F 963-11 – soluble heavy metal in Substrate Materials/paint and similar surface-coating materials

Test Method : Soluble Heavy Metal contents (Clause 4.3.5) - Sample was extracted by dilute hydrochloric acid

in accordance with ASTM F 963-11(Clause 8.3), analysis was performed by ICP-OES.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Soluble Lead (Pb)	90	mg/kg	5	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND
Soluble Selenium (Se)	500	mg/kg	10	ND
Conclusion				PASS

Notes :

(1) Results shown are of the adjusted analytical results

CPSC section 101(a)(2) - Lead in accessible substrate materials(including Children's Metal Jewelry)

Test Method : CPSC Test Method: CPSC-CH-E1002-08.3 `Standard Operation Procedure for Determining

Total Lead (Pb) in Non-Metal Children Product`.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>002</u>
Lead (Pb)	0.01	%	0.002	ND
Comment				PASS



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Test Report

No.: NBHL1611016720TY

Date: DEC. 05, 2016

Page: 5 of 7

Notes :

(1) Limit applies to a children's product manufactured after 14 August 2011 (Public Law 112-28 (HR 2715, 112th Congress) amending CPSIA)

CPSIA section 108 - Phthalates

Test Method : With reference to CPSC-CH-C1001-09.3, analysis was performed by GC-MS

Concentration of phthalates in components of toy product

<u>Test Item(s)</u>	<u>CAS_NO</u>	<u>Permissible</u> <u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>	<u>002</u>	<u>003</u>
Dibutyl Phthalate (DBP)	84-74-2	0.1	%	0.005	ND	ND	ND
Benzylbutyl Phthalate (BBP)	85-68-7	0.1	%	0.005	ND	ND	ND
Bis(2-ethylhexyl) Phthalate(DEHP)	117-81-7	0.1	%	0.005	ND	ND	0.057
Comment					PASS	PASS	PASS

<u>Test Item(s)</u>	<u>CAS_NO</u>	<u>Permissible</u> <u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>004</u>
Dibutyl Phthalate (DBP)	84-74-2	0.1	%	0.005	ND
Benzylbutyl Phthalate (BBP)	85-68-7	0.1	%	0.005	ND
Bis(2-ethylhexyl) Phthalate(DEHP)	117-81-7	0.1	%	0.005	ND
Comment					PASS



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Test Report

No.: NBHL1611016720TY

Date: DEC. 05, 2016

Page: 6 of 7

Concentration of phthalates in components of toy that can be placed in the mouth or childcare article

Test Item(s)	CAS_NO	Permissible Limit	Unit	MDL	001	002	003
					Diisononyl Phthalate (DINP)	28553-12-0/68515-48-0	0.1
Di-n-octyl Phthalate (DNOP)	117-84-0	0.1	%	0.005	ND	ND	ND
Diisodecyl Phthalate (DIDP)	26761-40-0/68515-49-1	0.1	%	0.005	ND	ND	ND
Comment					PASS	PASS	PASS

Test Item(s)	CAS_NO	Permissible Limit	Unit	MDL	004
					Diisononyl Phthalate (DINP)
Di-n-octyl Phthalate (DNOP)	117-84-0	0.1	%	0.005	ND
Diisodecyl Phthalate (DIDP)	26761-40-0/68515-49-1	0.1	%	0.005	ND
Comment					PASS



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