



Test Report

No.: NBHL1804005807TY

Date: MAY 07, 2018

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NINGBO SAFEWELL IMP & EXP CO.,LTD
NO. 28 PUSHUN ROAD, XIAOGANG EQUIPMENT INDUSTRIAL ZONE, BEILUN , NINGBO, 315800, CHINA

The following sample(s) was/were submitted and identified by the client as:

Sample Description : SAUCER TREE SWING
Sample Quantity : 1PC
Style / Item No. : SA-071
Supplier : NINGBO SAFEWELL IMP & EXP CO.,LTD
Manufacturer : NINGBO SAFEWELL IMP & EXP CO.,LTD
Country of Origin : CHINA
Labelled Age Grading : NOT STATED
Requested Age Grading : 6 MONTHS - 4 YEARS
Age Group Assessed As Per Age : 6 MONTHS - 4 YEARS
Guideline
Age Group Applied in Testing : 6 MONTHS - 4 YEARS
Sample Receiving Date : APR. 27, 2018
Testing Period : APR. 27, 2018 TO MAY 07, 2018

Test Requested

- 1. ASTM F963-17 Standard Consumer Safety Specification for Toy Safety Result Pass(Except7.1)
2. CPSIA section 101(a)(2) - Lead in accessible substrate materials(including Children`s Metal Jewelry) Result Pass
3. CONSUMER PRODUCT SAFETY COMMISSION---16 CFR Part 1307 [Docket No. CPSC-2014-0033], Final Rule, amending CPSIA section 108, Prohibition on Sale of Certain Products Containing Specified Phthalates Result Pass

Remark : As per client`s request, chemical test was conducted on the specific material selected by client.

\*\*\*\*\*

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

Sarah Li

Sarah Li
Authorized Signatory



SGS-CSTC Standards Technical Services Co., Ltd.
Ningbo Branch

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Test Conducted:

1. ASTM F963-17 STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY

AS SPECIFIED IN ASTM F963-17 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)
4.6.1	Small Objects	Pass
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 (Remark: The product or package should indicate the minimum age for intended use.)	See Remark
7	Producer's Markings	
7.1	Producer's Markings (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.)	See Remark
8.5	Normal Use Testing	Pass
8.7	Impact Test	Pass
8.8	Torque Test	Pass
8.9	Tension Test	Pass

N/A = Not Applicable

\*\* Visual Examination

Detail of test result:

ASTM F963-17, Clause 4.2 – Flammability Test  
Flammability Test on Solid



SGS CST  
Ningbo Branch

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Sample SWING

Burning Rate (inch/sec) DNI

Requirement: A toy / component is considered a "flammable solid" if it ignites and burns with a self-sustaining flame at a rate greater than 0.10 in/sec along its major axis.

DNI = Did Not Ignite

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

Test Part Description :

Table with 3 columns: Specimen No., SGS Sample ID, Description. Rows include SN1 (Black plastic part), SN2 (Green fabric), SN3 (Black plastic mesh part), SN4 (Blue foam), SN5 (Black plastic rope).

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 963-17 -total Lead in Substrate Materials

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

Table with 6 columns: Test Item(s), Limit, Unit, MDL, 001, 002. Row: Total Lead (Pb) with Limit 100, Unit mg/kg, MDL 20, 001 ND, 002 ND. Conclusion: PASS PASS.

American Society for Testing and Materials -ASTM F 963-17 - soluble heavy metal

Test Method : With reference to ASTM F 963-17 (Clause 8.3), analysis was performed by ICP-OES.

Table with 6 columns: Test Item(s), Limit, Unit, MDL, 001, 002. Rows include Soluble Lead (Pb), Soluble Antimony (Sb), Soluble Arsenic (As), Soluble Barium (Ba), Soluble Cadmium (Cd), Soluble Chromium (Cr), Soluble Mercury (Hg), Soluble Selenium (Se).



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Conclusion

PASS PASS

Notes :

(1) Results shown are of the adjusted analytical results

2. CPSIA 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`.

Table with 5 columns: Test Item(s), Limit, Unit, MDL, 003. Row 1: Lead (Pb), 0.01, %, 0.002, ND, PASS

Notes :

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

3. CONSUMER PRODUCT SAFETY COMMISSION---16 CFR Part 1307 [Docket No. CPSC-2014-0033], Final Rule, amending CPSIA section 108, Prohibition on Sale of Certain Products Containing Specified Phthalates

Test Method : With reference to CPSC-CH-C1001-09.4(2018), analysis was performed by GC-MS.

Table with 6 columns: Test Item(s), CAS NO., Limit, Unit, MDL, 001. Lists various phthalates like DBP, BBP, DEHP, DIBP, DINP, DCHP, DHEXP/ DnHP, DPENP with their respective limits and results (ND or PASS).

Table with 6 columns: Test Item(s), CAS NO., Limit, Unit, MDL, 003. Lists various phthalates like DBP, BBP, DEHP, DIBP, DINP, DCHP, DHEXP/ DnHP with their respective limits and results (ND).



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Dipentyl Phthalate (DPENP)	131-18-0	0.1	%	0.005	ND
<b>Conclusion</b>					<b>PASS</b>

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>004</u>
Di-butyl Phthalate (DBP)	84-74-2	0.1	%	0.005	ND
Benzyl Butyl Phthalate (BBP)	85-68-7	0.1	%	0.005	ND
Di-2-Ethyl Hexyl Phthalate (DEHP)	117-81-7	0.1	%	0.005	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%	0.005	ND
Diisononyl Phthalate (DINP)	28553-12-0	0.1	%	0.005	ND
	/68515-48-0				
Dicyclohexyl Phthalate (DCHP)	84-61-7	0.1	%	0.005	ND
Dihexyl Phthalate (DHEXP/ DnHP)	84-75-3	0.1	%	0.005	ND
Dipentyl Phthalate (DPENP)	131-18-0	0.1	%	0.005	ND
<b>Conclusion</b>					<b>PASS</b>

<u>Test Item(s)</u>	<u>CAS NO.</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>005</u>
Di-butyl Phthalate (DBP)	84-74-2	0.1	%	0.005	ND
Benzyl Butyl Phthalate (BBP)	85-68-7	0.1	%	0.005	ND
Di-2-Ethyl Hexyl Phthalate (DEHP)	117-81-7	0.1	%	0.005	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%	0.005	ND
Diisononyl Phthalate (DINP)	28553-12-0	0.1	%	0.005	ND
	/68515-48-0				
Dicyclohexyl Phthalate (DCHP)	84-61-7	0.1	%	0.005	ND
Dihexyl Phthalate (DHEXP/ DnHP)	84-75-3	0.1	%	0.005	ND
Dipentyl Phthalate (DPENP)	131-18-0	0.1	%	0.005	ND
<b>Conclusion</b>					<b>PASS</b>

Notes :

(1) On October 27, 2017, the CPSC published the final rule in the Federal Register (82 FR 49938) to restrict phthalates in toys and child care articles under section 108 of the CPSIA, this final rule has in effect restricted a total of eight phthalates in children's toys and child care articles. It will become effective on April 25, 2018, and applies to toys and child care articles that are manufactured or imported from this date



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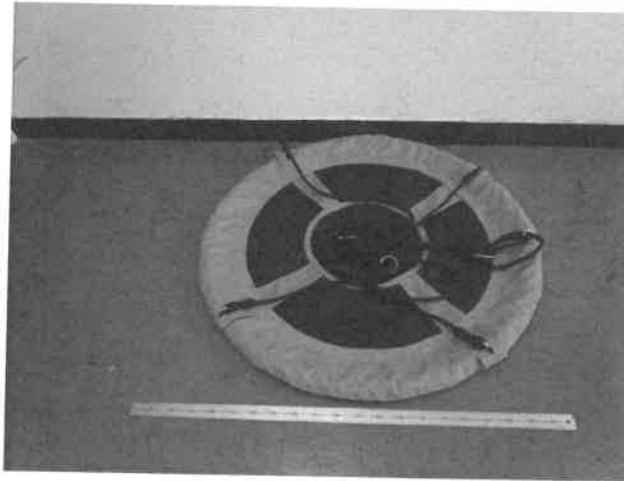
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**Sample Photo:**



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\*\*\*End of Report\*\*\*



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