



Test Report

No.: NBHL2010015631TY

Date: OCT. 20, 2020

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NINGBO TOOKY TOY CO.,LTD.

23-161# INNOVATION 128 BUSINESS VILLA, NO.818 QIMING ROAD, YINZHOU, NINGBO, CHINA

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

Sample Description	: PLAKKS GAME
Sample Quantity	: 1PC
Style / Item No.	: TKP001
Supplier	: NING BO TOOKY TOY CO.,LTD
Manufacturer	: NING BO TOOKY TOY CO.,LTD
Country of Origin	: CHINA
Country of Destination	: WORLDWIDE
Labelled Age Grading	: NOT STATED
Requested Age Grading	: 3+ YEARS

Age Group Assessed As Per Age	: 3+ YEARS
Guideline	
Age Group Applied in Testing	: 3+ YEARS
Sample Receiving Date	: OCT. 10, 2020
Further Information Date	: OCT. 12, 2020
Testing Period	: OCT. 10, 2020 TO OCT. 20, 2020

Test Requested

ASTM F963-17 Standard Consumer Safety Specification for Toy Safety

Result

Pass (Except 7.1)

Since the data and / or information above division line of front page is provided by the applicant, the relevant results or conclusions of this report are only made for these data and / or information, SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion. Testing results only apply to the sample as received.

The declaration of conformity is only based on the actual value of laboratory activity while measurement uncertainty of the results is not taken into account.

Signed for and on behalf of

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

Ruby Gu

Ruby Gu
Authorized Signatory



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

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中国·浙江·宁波市国家高新区凌云路1177号凌云产业园4号楼西1-5层 邮编: 315040 t (86-574)87767006 f (86-574)87768122 e sgs.china@sgs.com

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Test Conducted:

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	Pass (See Detail of test result)
4.3.5.2	Heavy Metal in Substrate Materials	Pass (See Detail of test result)
4.6	Small Objects	
4.6.3*	Labelling Requirements	Pass
4.7	Accessible Edges	Pass
4.9	Accessible Points	Pass
4.11	Nails and Fasteners	Pass
4.13.2	Hinge-Line Clearance	Pass
4.34*	Balls	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
5.3*	Safety Labeling Requirements	Pass
5.11*	Small Objects, Small Balls, Marbles, and Balloons	Pass
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

** Visual Examination

Detail of test result:



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SGS-CSTC 上海技术服务有限公司
Ningbo Branch Hangzhou

1-5F West No. 4 Building, Lingyun Industry Park, No.1177 Lingyun Road, Ningbo National Hi-Tech Zone, Ningbo, China 315040 t (86-574)87767006 f (86-574)87768122 www.sgsgroup.com.cn
中国·浙江·宁波市国家高新区凌云路1177号凌云产业园4号楼西1-5层 邮编: 315040 t (86-574)87767006 f (86-574)87768122 e sgs.china@sgs.com

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

Sample
PLAKKS GAMEBurning Rate (inch/sec)
0.1

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.

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

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	NGB20-047785.001	White coating
SN2	NGB20-047785.002	Black coating
SN3	NGB20-047785.003	Transparent coating
SN4	NGB20-047785.004	Red coating
SN5	NGB20-047785.005	Blue coating
SN6	NGB20-047785.006	Yellow coating
SN7	NGB20-047785.007	Green felt
SN8	NGB20-047785.008	White foam
SN9	NGB20-047785.009	White plastic part
SN10	NGB20-047785.010	Green plastic part
SN11	NGB20-047785.011	White coating +Black coating +Transparent coating
SN12	NGB20-047785.012	Red coating +Blue coating +Yellow coating
SN13	NGB20-047785.013	White plastic part +Green plastic part

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 paint and similar surface-coating materials

Test Method : With reference to CPSC Test Method: CPSC-CH-E1003-09.1, analysis was performed by AAS.

Test Item(s)	Limit	Unit	MDL	011
Total Lead (Pb)	90	mg/kg	20	ND
Conclusion				PASS

Test Item(s)	Limit	Unit	MDL	012
Total Lead (Pb)	90	mg/kg	20	ND
Conclusion				PASS



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Ningbo Branch Hainan

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中国·浙江·宁波市国家高新区凌云路1177号凌云产业园4号楼西1-5层 邮编: 315040 t (86-574)87767006 f (86-574)87768122 e sgs.china@sgs.com

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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.

Test Item(s)	Limit	Unit	MDL	007	008	013
Total Lead (Pb)	100	mg/kg	20	ND	ND	ND
Conclusion				PASS	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.

Test Item(s)	Limit	Unit	MDL	001	002	003
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Conclusion				PASS	PASS	PASS

Test Item(s)	Limit	Unit	MDL	004	005	006
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	39	10	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Conclusion				PASS	PASS	PASS

Test Item(s)	Limit	Unit	MDL	007	008	009
Soluble Lead (Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	ND	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	ND	ND	ND
Conclusion				PASS	PASS	PASS



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Ningbo Branch Hainan

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Test Item(s)	Limit	Unit	MDL	010
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
- (2) Mass of trace amount of sample 001 is 60.4mg, sample 002 is 52.9mg, sample 003 is 55.4mg, sample 004 is 53.1mg, sample 005 is 71.9mg, sample 006 is 97.8mg.

Remark:

- (1) For method of CPSC-CH-E1002-08.3/CPSC-CH-E1003-09.1: Composite test has been performed and the result is calculated using the minimum sample weight.

Sample Photo:



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End of Report



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