

Issuing laboratory:

Toys and Hardlines Division of Intertek Testing Services Hong Kong Ltd.  
This laboratory is accredited by the China National Accreditation Services(CNAS) 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.



中国认可  
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检测  
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CNAS L3256

发布实验室:

本获准认可实验室获得中国合格评定国家认可委员会(CNAS) 正式承认特定的测试和测量范围, 並依照获准认可实验室的条款, 测定本报告显示的结果。

## TEST REPORT

Applicant: KIDS II FAR EAST LTD  
SUITE 3001 30/F TOWER 6 THE GATEWAY  
9 CANTON RD  
TSIM SHA TSUI KLN  
HK

Number: HKGH0294274901

Date: Dec 20, 2022

Attn: ANNY MAI

Sample and Information provided by Customer :

Item Name : **Magic Touch Piano™ Musical Toy**  
Item No. : **11649 (800802, 800802K63)**  
Style : --  
No of Sample Submitted : 14 pieces  
Labelled Age Group : 6m+  
Packaging Provided : Yes  
Vendor : Hape International (Ningbo) Ltd  
Country of Origin : China

\*Appropriate Age Grade : For ages over 6 months  
\*Tested Age Grade : For ages over 6 months

\* Information by Intertek

Prepared and checked by:  
For Intertek Testing Services HK Ltd.

Wong, Siu Kai William  
Assistant General Manager  
CNAS Approved Signatory

Wong, Chun Man Francis  
Senior Manager  
CNAS Approved Signatory



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## TEST REPORT

Number : HKGH0294274901



### 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) U.S. ASTM F963-17 - Physical and Mechanical tests	Pass
(2) ASTM F963-17 - Flammability Test of Materials other than textile materials	Pass
(3) ASTM F963-17 - Soluble heavy elements test ∞	Pass
(4) ASTM F963-17 - Total Lead content	Pass
(5) U.S. CFR Title 16 (CPSC Regulations) - mechanical and physical tests 1500.48 Sharp point 1500.49 Sharp edge 1501 Small part	Pass
(6) U.S. CFR Title 16 (CPSC Regulations) - Part 1500.3(c)(6)(vi) - Flammability test on rigid and pliable solids	Pass



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## TEST REPORT

Number : HKGH0294274901

<u>Requirement</u>	<u>Result</u>
(7) U.S. Consumer Product Safety Improvement Act 2008 Title I Section 101 - Total Lead content in non-surface coating materials (substrate)	Pass
(8) U.S. CFR Title 16 (CPSC Regulations) - Part 1303 - Total Lead content in surface coating	Pass
U.S. Consumer Product Safety Improvement Act 2008 Title I Section 101 - Total Lead content in surface coating	Pass

\*\*\*\*\*

**Decision Rule(s):**

When a statement of conformity to a specification or standard is provided on test report, the decision rule shall be applied. For details, please refer to Intertek's "Decision Rule Document" and is available on Intertek's website. <https://intertekhk.qrd.by/decision-rule-doc>.  
If decision rule already inhered in the requested specification or standard, Intertek's "Decision Rule Document" is not applicable and indication of "∞" was shown as above table.

\*\*\*\*\*



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## TEST REPORT

Number : HKGH0294274901

(1) Physical and Mechanical Tests

Test Standard : ASTM Standard Consumer Safety Specification for Toy Safety F963-17

Age group for testing : For Ages Over 6 Months

The submitted samples were undergone the use and abuse tests in accordance with the Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations : -

Test	FHSA	Parameter
Compression test	Section 1500.53(g)	30 lbf
Drop Test	Section 1500.51(b)	10 x 4.5 ft
Tension test	Section 1500.53(f)	15 lbf
Torque test	Section 1500.53(e)	4 in-lbf

Clause	Requirement	Assessment
4.1	Material quality	P
4.5	Sound producing toys	P
4.6.1	Toys intended for children under 36 months of age	P
4.6.2	Mouth actuated toys	NA
4.6.3	Toys and games for 36 months to 72 months - Small part warning	NA
4.7	Accessible edges	P
4.8	Projection	NA
4.9	Accessible points	P
4.10	Wires or rods	NA
4.11	Nails and fasteners	P
4.12	Plastic film	NA
4.13	Folding mechanisms and hinges	NA
4.14	Cords, straps, and elastics	NA
4.15	Stability and overload requirement	NA
4.16	Confined spaces	NA
4.17	Wheels, tires, and axles (96 months of age or less)	NA
4.18	Holes, clearance, and accessibility of mechanisms	NA
4.19	Simulated protective devices	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teethers and teething toys	NA
4.23	Rattles	NA
4.24	Squeeze toys	NA
4.25	Battery operated toys	P
4.26	Toys intended to be attached to a crib or playpen	NA
4.27	Stuffed and beanbag type toys	NA
4.28	Stroller and carriage toys	NA
4.29	Art materials	NA
4.30	Toy gun marking	NA



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## TEST REPORT

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Clause	Requirement	Assessment
4.31	Balloons	NA
4.32	Certain toys with nearly spherical ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispherical shaped objects	NA
4.37	Yo Yo elastic tether toys	NA
4.38	Magnets	NA
4.39	Jaw Entrapment in Handles and Steering Wheels	NA
4.40	Expanding materials	NA
4.41	Toy chests	NA
5	Labeling requirements	P
6	Instructional literature	P
7	Producer's marking	
	- Name of producer / distributor	Yes
	- Address	Yes

Abbreviation : P = Pass NA = Not Applicable

The submitted samples were undergone the tests in accordance with section 8.5 through section 8.17 and 8.19 through 8.26 on normal use, abuse and specific tests for different types of toys whichever is applicable.

Date sample received : Nov 08, 2022

Test Period : Nov 08, 2022 to Nov 14, 2022



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## TEST REPORT

Number : HKGH0294274901

### (2) Flammability Tests

Test Standard : Section 4.2 of the ASTM Standard Consumer Safety Specification for Toy Safety F963-17.

Result: Ignited but self-extinguished before burn rate could be determined.

Date sample received : Nov 08, 2022

Test Period : Nov 08, 2022 to Nov 14, 2022



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## TEST REPORT

Number : HKGH0294274901

### (3) Heavy Elements Analysis

Test Method : Sections 8.3.2, 8.3.3, 8.3.4 and 8.3.5 of the ASTM Standard Consumer Safety Specification for Toy Safety F963-17. Acid extraction and analysed by Inductively Coupled Argon Plasma Spectrometry.

Materials other than modelling clay:

	Result (ppm)			Limit (ppm)
	(1)	(3)	(4)	
Soluble Barium (Ba)	<5	<5	<5	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

	Result (ppm)			Limit (ppm)
	(5)	(6)	(7)	
Soluble Barium (Ba)	<5	<5	<5	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25



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	Result (ppm)			Limit (ppm)
	(8)	(9)	(10)	
Soluble Barium (Ba)	<5	<5	<5	1000
Soluble Lead (Pb)	<5	<5	<5	90
Soluble Cadmium (Cd)	<5	<5	<5	75
Soluble Antimony (Sb)	<5	<5	<5	60
Soluble Selenium (Se)	<5	<5	<5	500
Soluble Chromium (Cr)	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	60
Soluble Arsenic (As)	<2.5	<2.5	<2.5	25

The above limit was quoted according to Section 4.3.5 of the ASTM Standard Consumer Safety Specification for Toy Safety F963-17

ppm = parts per million = mg/kg

@ : Since the sample weight of the component was less than 10 mg, soluble heavy metal analysis was not applicable.

Tested Components:

- (1) Coatings on wood (piano).
- (2) @ Black coating on plastic (marking).
- (3) Coatings on plastic (music sheet).
- (4) Shiny white ABS plastic (upper housing).
- (5) White PP plastic (bottom housing).
- (6) Dark blue ABS plastic (button).
- (7) Blue ABS plastic (switch).
- (8) Aqua HDPE plastic (stand).
- (9) White PP plastic (music sheet).
- (10) Light brown plywood (plywood).





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Decision Rule:

∞ : Materials are deemed to comply with the requirements if the adjusted analytical result is less than or equal to the limit of this table.

The analytical result of materials shall be adjusted by subtracting the analytical correction in below table to obtain an adjusted analytical of result.

Elements	Sb	As	Ba	Cd	Cr	Pb	Hg	Se
Analytical Correction(%)	60	60	30	30	30	30	50	60

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### (4) Total Lead (Pb) Content

Test Method : CPSC-CH-E1001-08.3, CPSC-CH-E1002-08.3 or/and CPSC-CH-E1003-09.1,  
analysed by Inductively Coupled Argon Plasma Spectrometry.

#### Coating:

Tested Component	Result in ppm	Limit in ppm
(1)	<20	90
(2)	<20	90
(3)	<20	90

#### Substrate:

Tested Component	Result in ppm	Limit in ppm
(4)	<20	100
(5)	<20	100
(6)	<20	100
(7)	<20	100
(8)	<20	100
(9)	<20	100
(10)	<20	100
(11)	<20	100



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The above limit was quoted according to Section 4.3.5.1 (1) and 4.3.5.2 (2)(a) of the ASTM standard Consumer Safety Specification for Toy Safety F963-17.

ppm = parts per million = mg/kg

Tested Components:

- (1) Coatings on wood (piano).
- (2) Black coating on plastic (marking).
- (3) Coatings on plastic (music sheet).
- (4) Shiny white ABS plastic (upper housing).
- (5) White PP plastic (bottom housing).
- (6) Dark blue ABS plastic (button).
- (7) Blue ABS plastic (switch).
- (8) Aqua HDPE plastic (stand).
- (9) White PP plastic (music sheet).
- (10) Light brown plywood (plywood).
- (11) Silver color metal (crosshead screw).

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### (5) Physical and Mechanical Test

Test Standard : U.S. code of Federal Regulations Title 16 Part 1500.50, the hazards of sharp points, sharp edge and small parts are assessed both before and after applicable use and abuse tests.

Age group for testing : For Ages Over 6 Months

	<u>No. of sample tested</u>	<u>Sharp point (1500.48)</u>	<u>Sharp edge (1500.49)</u>	<u>Small part (1501)</u>
As Received	1	P	P	P
Impact	1	P	P	P
(1500.51(b))				
Flexure	0	NA	NA	NA
(1500.53(d))				
Torque	1	P	P	P
(1500.53(e))				
Tension	1	P	P	P
(1500.53(f))				
Compression	1	P	P	P
n				
(1500.53(g))				

Abbreviation : P= Pass NA = Not applicable

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Number : HKGH0294274901

(6) Flammability Tests

Test Standard : U.S. Code of Federal Regulations Title 16 Part 1500.44 for rigid and pliable solids.

Result: Ignited but self-extinguished before burn rate could be determined.

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Number : HKGH0294274901

### (7) Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate)

Test Method : Standard Operating Procedures for Determining Total Lead (Pb) in Children's Products, test methods CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001.08.3, analysed by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in ppm	Limit in ppm
(1)	<20	100
(2)	<20	100
(3)	<20	100
(4)	<20	100
(5)	<20	100
(6)	<20	100
(7)	<20	100
(8)	<20	100

The above limit was quoted according to U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101.

ppm = parts per million = mg/kg

Tested Components:

- (1) Shiny white ABS plastic (upper housing).
- (2) White PP plastic (bottom housing).
- (3) Dark blue ABS plastic (button).
- (4) Blue ABS plastic (switch).
- (5) Aqua HDPE plastic (stand).
- (6) White PP plastic (music sheet).
- (7) Light brown plywood (plywood).
- (8) Silver color metal (crosshead screw).

Date sample received : Nov 08, 2022

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## TEST REPORT

Number : HKGH0294274901

### (8) Total Lead (Pb) Content in Surface Coating

Test Method : Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings, test method CPSC-CH-E1003-09.1, analysed by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in ppm	Limit in ppm
(1)	<20	90
(2)	<20	90
(3)	<20	90

The Above limit was quoted according to U.S. CFR Title 16 Part 1303 and U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101.

ppm = parts per million = mg/kg

Tested Components:

- (1) Coatings on wood (piano).
- (2) Black coating on plastic (marking).
- (3) Coatings on plastic (music sheet).

Date sample received : Nov 08, 2022

Test Period : Nov 08, 2022 to Nov 11, 2022

\*\*\*\*\*  
End of report

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*The observations and test results in this report are relevant to the sample(s) tested and submitted by client. 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. This report does not discharge or release you from your legal obligations and duties to any other person. Only the Client is authorized to permit copying or distribution of this report and the report shall not be reproduced except in full. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.*



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