

HAPE INTERNATIONAL (NINGBO) LTD  
 HAPPY ARTS&CRAFTS(NINGBO)CO., LTD  
 9-27NANHAI ROAD, DAGANG INDUSTRIAL CITY, BEILUN, NINGBO, CHINA

Sample Description : BEEP 'N' BUY CASHREGISTER  
 Sample Quantity : 6 SETS  
 Style / Item No. : E3184  
 Country of Origin : CHINA  
 Country of Destination : GLOBAL  
 Labeled Age Grading : 3Y+  
 Requested Age Grading : 3Y+  
 Client Reference Information : E3184A

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Age Group Assessed as Per Age Guideline : 3+ YEARS  
 Age Group Applied in Testing : 3+ YEARS  
 Sample Receiving Date : JUN 19, 2022  
 Further Information Date : JUL 05, 2022  
 Testing Period : JUN 19, 2022 TO JUL 06, 2022

<u>Test Requested</u>	<u>Result</u>
EN 71-1: 2014+A1: 2018 – Safety of toys – Part 1: Mechanical and Physical Properties	<u>Pass</u>
Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification) according to Informative Annex A.26 and A.33 of the European standard on Safety of toys EN 71-1:2014+A1:2018 and the Directive 2009/48/EC-Safety of toys	<u>See Result</u>
EN 71-2:2020 – Safety of toys – Part 2: Flammability	<u>Pass</u>
COMMISSION IMPLEMENTING DECISION (EU) 2021/1992 on harmonised standards for toys drafted in support of Directive 2009/48/EC - EN71-3: 2019+A1:2021 – Migration of certain elements (Category III:for scrapped-off toy material)	<u>Pass</u>

\*\*\*\*\* FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) \*\*\*\*\*



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Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

*Jessie Zhou*



Jessie Zhou  
Authorized Signatory



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Results:

**EN 71-1: 2014+A1: 2018 – SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES**

AS SPECIFIED IN EN 71-1: 2014+A1: 2018 – SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES

Clauses relevant to the item:

Clause	Description	Result
4	General requirements	
4.1	Material cleanliness	<u>Pass</u>
4.7	Edges	<u>Pass</u>
4.8	Points and metallic wires	<u>Pass</u>
4.20	Acoustics	<u>Pass</u>
6	Packaging	<u>Pass</u>
7	Warnings, markings and instructions for use	
7.1	General Requirements	<u>Pass</u>
	Note: Please note that for assessing the visibility and legibility of warnings, CEN has introduced good practice in the informative Annex A.33 by addressing the following aspects:	
	a) Emphasising the warning	
	b) Contrast, background and colours	
	c) Reflecting surfaces and obscuring material	
	d) Font type	
	e) Font size	
	f) Logical direction of text	
	For more details, see EN 71-1.	
7.2	Toys not intended for children under 36 months (Remark: The toy contains small part. It is acceptable because appropriate warning is found on packaging.)	<u>Pass</u> <u>See Remark</u>

Only English warnings were checked for the clause 7. According to 2009/48/EC, warnings and safety instructions shall be written in a language or languages easily understood by consumers.

**LABELING REQUIREMENT (WASHING/CLEANING INSTRUCTION, CE MARK, IMPORTER / MANUFACTURER NAME AND ADDRESS, PRODUCT IDENTIFICATION) ACCORDING TO THE DIRECTIVE 2009/48/EC – SAFETY OF TOYS**

Summary table:

	Observation Result	Location
Washing/Cleaning instruction	Not applicable	/
CE Mark	Present	Toy/Packaging
Importer's Name & Address	Present	Packaging
Manufacturer's Name & Address	Present	Packaging
Product ID	Present	Packaging



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Note:

1. According to Directive 2009/48/EC, a toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. A textile toy must, to this end, be washable, except if it contains a mechanism that may be damaged if soaked. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned. According to the GUIDANCE DOCUMENT ON THE APPLICATION OF DIRECTIVE 2009/48/EC ON THE SAFETY OF TOYS, manufacturer shall not label "surface washing" on textile toys which, under the TSD, need to be soak washable.
2. CE marking should be visible from outside the packaging and its height must be at least 5mm.
3. Manufacturer's and Importer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.
4. Manufacturers must ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

**EN 71-2:2020 – SAFETY OF TOYS – PART 2: FLAMMABILITY**

AS SPECIFIED IN EN 71-2:2020 – SAFETY OF TOYS – PART 2: FLAMMABILITY

Clauses relevant to the item:

<u>Clause</u>	<u>Description</u>	<u>Result</u>
4.1	General requirements	<u>Pas</u>

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

Test Part Description :

<b>Specimen No.</b>	<b>SGS Sample ID</b>	<b>Description</b>
SN1	SHA22-080084.001	Grey plastic
SN2	SHA22-080084.002	White ABS
SN3	SHA22-080084.003	Red plastic
SN4	SHA22-080084.004	Transparent ABS
SN5	SHA22-080084.005	Light grey plastic
SN6	SHA22-080084.006	Colorful plastic film
SN7	SHA22-080084.007	Colorful plastic
SN8	SHA22-080084.008	White coating
SN9	SHA22-080084.009	Black coating
SN10	SHA22-080084.010	Red coating
SN11	SHA22-080084.011	Blue coating
SN12	SHA22-080084.012	Light green coating
SN13	SHA22-080084.013	Yellow coating
SN14	SHA22-080084.014	Dark red coating



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SN15	SHA22-080084.015	Colorful sticker paper
SN16	SHA22-080084.016	White/Green paper
SN17	SHA22-080084.017	White/Red paper
SN18	SHA22-080084.018	White/Blue paper
SN19	SHA22-080084.019	White cord
SN20	SHA22-080084.020	Natural color MDF
SN21	SHA22-080084.021	Natural color plywood

**Remarks :**

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

**COMMISSION IMPLEMENTING DECISION (EU) 2021/1992 on harmonised standards for toys drafted in support of Directive 2009/48/EC - EN71-3: 2019+A1:2021 – Migration of certain elements (Category III:for**

**scrapped-off toy material)**

Test Method : With reference to EN 71-3:2019+A1:2021, analysis was performed by ICP-OES, IC-UV or LC-ICP-MS.

Soluble Organic Tin was analyzed by GC-MS.

Test Item(s)	Limit	Unit	MDL	001	002	003
Soluble Chromium (VI) (Cr VI)	0.053	mg/kg	0.025	ND	ND	ND
Soluble Lead (Pb)	23	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	560	mg/kg	10	ND	ND	ND
Soluble Arsenic (As)	47	mg/kg	10	ND	ND	ND
Soluble Barium (Ba)	18750	mg/kg	50	ND	ND	ND
Soluble Cadmium (Cd)	17	mg/kg	5	ND	ND	ND
Soluble Chromium (III) (Cr III)	460	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	94	mg/kg	10	ND	ND	ND
Soluble Selenium (Se)	460	mg/kg	10	ND	ND	ND
Soluble Boron (B)	15000	mg/kg	50	ND	ND	ND
Soluble Cobalt (Co)	130	mg/kg	10	ND	ND	ND
Soluble Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Soluble Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Soluble Zinc (Zn)	46000	mg/kg	50	ND	ND	ND
Soluble Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Soluble Aluminum (Al)	28130	mg/kg	50	ND	ND	ND



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Soluble Nickel (Ni)	930	mg/kg	10	ND	ND	ND
Soluble Tin (Sn)	180000	mg/kg	3	ND	ND	ND
Soluble Organic Tin*	12	mg/kg	-	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	004	005	006
Soluble Chromium (VI) (Cr VI)	0.053	mg/kg	0.025	ND	ND	ND
Soluble Lead (Pb)	23	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	560	mg/kg	10	ND	ND	ND
Soluble Arsenic (As)	47	mg/kg	10	ND	ND	ND
Soluble Barium (Ba)	18750	mg/kg	50	ND	ND	ND
Soluble Cadmium (Cd)	17	mg/kg	5	ND	ND	ND
Soluble Chromium (III) (Cr III)	460	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	94	mg/kg	10	ND	ND	ND
Soluble Selenium (Se)	460	mg/kg	10	ND	ND	ND
Soluble Boron (B)	15000	mg/kg	50	ND	ND	ND
Soluble Cobalt (Co)	130	mg/kg	10	ND	ND	ND
Soluble Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Soluble Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Soluble Zinc (Zn)	46000	mg/kg	50	ND	ND	ND
Soluble Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Soluble Aluminum (Al)	28130	mg/kg	50	ND	ND	ND
Soluble Nickel (Ni)	930	mg/kg	10	ND	ND	ND
Soluble Tin (Sn)	180000	mg/kg	3	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	004	005	006
Soluble Organic Tin*	12	mg/kg	-	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	007	008	009
Soluble Chromium (VI) (Cr VI)	0.053	mg/kg	0.025	ND	-	-
Soluble Lead (Pb)	23	mg/kg	5	ND	---	---
Soluble Antimony (Sb)	560	mg/kg	10	ND	---	---
Soluble Arsenic (As)	47	mg/kg	10	ND	---	---
Soluble Barium (Ba)	18750	mg/kg	50	ND	---	---
Soluble Cadmium (Cd)	17	mg/kg	5	ND	---	---
Soluble Chromium (III) (Cr III)	460	mg/kg	5	ND	-	-
Soluble Mercury (Hg)	94	mg/kg	10	ND	---	---
Soluble Selenium (Se)	460	mg/kg	10	ND	---	---
Soluble Boron (B)	15000	mg/kg	50	ND	---	---
Soluble Cobalt (Co)	130	mg/kg	10	ND	---	---
Soluble Manganese (Mn)	15000	mg/kg	50	ND	---	---



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Soluble Strontium (Sr)	56000	mg/kg	50	ND	---	---
Soluble Zinc (Zn)	46000	mg/kg	50	ND	---	---
Soluble Copper (Cu)	7700	mg/kg	50	ND	---	---
Soluble Aluminum (Al)	28130	mg/kg	50	ND	---	---
Soluble Nickel (Ni)	930	mg/kg	10	ND	---	---
Soluble Tin (Sn)	180000	mg/kg	3	6	---	---
Soluble Organic Tin*	12	mg/kg	-		---	---
Methyl tin (MeT)	-	mg/kg	0.5	7.9		
Di-n-propyl tin (DProT)	-	mg/kg	0.5	ND		
Dibutyl tin (DBT)	-	mg/kg	0.5	ND		
Tributyl tin (TBT)	-	mg/kg	0.5	ND		
n-Octyl tin (MOT)	-	mg/kg	0.5	ND		
Tetrabutyl tin (TeBT)	-	mg/kg	0.5	ND		
Diphenyl tin (DPhT)	-	mg/kg	0.5	ND		
Di-n-octyl tin (DOT)	-	mg/kg	0.5	ND		
Triphenyl tin (TPhT)	-	mg/kg	0.5	ND		
Butyl tin(BuT)	-	mg/kg	0.5	ND		
Sum of Soluble Organic Tin	12	mg/kg	-	7.9		

Test Item(s)	Limit	Unit	MDL	010	011	012
Soluble Chromium (VI) (Cr VI)	0.053	mg/kg	0.025	-	-	-
Soluble Lead (Pb)	23	mg/kg	5	---	---	---
Soluble Antimony (Sb)	560	mg/kg	10	---	---	---
Soluble Arsenic (As)	47	mg/kg	10	---	---	---

Test Item(s)	Limit	Unit	MDL	010	011	012
Soluble Barium (Ba)	18750	mg/kg	50	---	---	---
Soluble Cadmium (Cd)	17	mg/kg	5	---	---	---
Soluble Chromium (III) (Cr III)	460	mg/kg	5	-	-	-
Soluble Mercury (Hg)	94	mg/kg	10	---	---	---
Soluble Selenium (Se)	460	mg/kg	10	---	---	---
Soluble Boron (B)	15000	mg/kg	50	---	---	---
Soluble Cobalt (Co)	130	mg/kg	10	---	---	---
Soluble Manganese (Mn)	15000	mg/kg	50	---	---	---
Soluble Strontium (Sr)	56000	mg/kg	50	---	---	---
Soluble Zinc (Zn)	46000	mg/kg	50	---	---	---
Soluble Copper (Cu)	7700	mg/kg	50	---	---	---
Soluble Aluminum (Al)	28130	mg/kg	50	---	---	---
Soluble Nickel (Ni)	930	mg/kg	10	---	---	---
Soluble Tin (Sn)	180000	mg/kg	3	---	---	---



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Soluble Organic Tin\* 12 mg/kg - --- --- ---

Test Item(s)	Limit	Unit	MDL	013	014	015
Soluble Chromium (VI) (Cr VI)	0.053	mg/kg	0.025	-	ND	ND
Soluble Lead (Pb)	23	mg/kg	5	---	ND	ND
Soluble Antimony (Sb)	560	mg/kg	10	---	ND	ND
Soluble Arsenic (As)	47	mg/kg	10	---	ND	ND
Soluble Barium (Ba)	18750	mg/kg	50	---	ND	ND
Soluble Cadmium (Cd)	17	mg/kg	5	---	ND	ND
Soluble Chromium (III) (Cr III)	460	mg/kg	5	-	ND	ND
Soluble Mercury (Hg)	94	mg/kg	10	---	ND	ND
Soluble Selenium (Se)	460	mg/kg	10	---	ND	ND
Soluble Boron (B)	15000	mg/kg	50	---	ND	ND
Soluble Cobalt (Co)	130	mg/kg	10	---	ND	ND
Soluble Manganese (Mn)	15000	mg/kg	50	---	ND	ND
Soluble Strontium (Sr)	56000	mg/kg	50	---	ND	ND
Soluble Zinc (Zn)	46000	mg/kg	50	---	ND	ND
Soluble Copper (Cu)	7700	mg/kg	50	---	ND	ND
Soluble Aluminum (Al)	28130	mg/kg	50	---	173	ND
Soluble Nickel (Ni)	930	mg/kg	10	---	ND	ND
Soluble Tin (Sn)	180000	mg/kg	3	---	ND	ND
Soluble Organic Tin*	12	mg/kg	-	---	ND	ND

Test Item(s)	Limit	Unit	MDL	016	017	018
Soluble Chromium (VI) (Cr VI)	0.053	mg/kg	0.025	ND	ND	ND
Soluble Lead (Pb)	23	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	560	mg/kg	10	ND	ND	ND
Soluble Arsenic (As)	47	mg/kg	10	ND	ND	ND
Soluble Barium (Ba)	18750	mg/kg	50	ND	ND	ND
Soluble Cadmium (Cd)	17	mg/kg	5	ND	ND	ND
Soluble Chromium (III) (Cr III)	460	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	94	mg/kg	10	ND	ND	ND
Soluble Selenium (Se)	460	mg/kg	10	ND	ND	ND
Soluble Boron (B)	15000	mg/kg	50	ND	ND	ND
Soluble Cobalt (Co)	130	mg/kg	10	ND	ND	ND
Soluble Manganese (Mn)	15000	mg/kg	50	ND	ND	ND
Soluble Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Soluble Zinc (Zn)	46000	mg/kg	50	ND	ND	ND
Soluble Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Soluble Aluminum (Al)	28130	mg/kg	50	143	141	140



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Soluble Nickel (Ni)	930	mg/kg	10	ND	ND	ND
Soluble Tin (Sn)	180000	mg/kg	3	ND	ND	ND
Soluble Organic Tin*	12	mg/kg	-	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	019	020	021
Soluble Chromium (VI) (Cr VI)	0.053	mg/kg	0.025	ND	ND	ND
Soluble Lead (Pb)	23	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	560	mg/kg	10	ND	ND	ND
Soluble Arsenic (As)	47	mg/kg	10	ND	ND	ND
Soluble Barium (Ba)	18750	mg/kg	50	ND	ND	ND
Soluble Cadmium (Cd)	17	mg/kg	5	ND	ND	ND
Soluble Chromium (III) (Cr III)	460	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	94	mg/kg	10	ND	ND	ND
Soluble Selenium (Se)	460	mg/kg	10	ND	ND	ND
Soluble Boron (B)	15000	mg/kg	50	ND	ND	ND
Soluble Cobalt (Co)	130	mg/kg	10	ND	ND	ND
Soluble Manganese (Mn)	15000	mg/kg	50	ND	126	ND
Soluble Strontium (Sr)	56000	mg/kg	50	ND	ND	ND
Soluble Zinc (Zn)	46000	mg/kg	50	ND	ND	ND
Soluble Copper (Cu)	7700	mg/kg	50	ND	ND	ND
Soluble Aluminum (Al)	28130	mg/kg	50	ND	ND	ND
Soluble Nickel (Ni)	930	mg/kg	10	ND	ND	ND
Soluble Tin (Sn)	180000	mg/kg	3	ND	ND	ND
Test Item(s)	Limit	Unit	MDL	019	020	021
Soluble Organic Tin*	12	mg/kg	-	ND	ND	ND

### Notes :

- (1) According to the Commission Implementing Decision (EU) 2021/1992 of November 15, 2021, published in the OJEU. The EN 71-3:2019+A1:2021 is adopted as the harmonized standard for toys drafted in support of Directive 2009/48/EC.
- (2) According to Chapter of 10.1.2 of EN 71-3:2019+A1:2021, Chromium (III) is calculated by the following formula:  
Soluble Chromium (III) = Soluble Total Chromium – Soluble Chromium (VI)
- (3) As received, the test portion of 008-013 are less than 10mg, therefore such components were not tested for migration of certain elements, as specified in the European Standard EN 71-3:2019+A1:2021.
- (4) \*Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN 71-3:2019+A1:2021.



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**Remark:**

The test results 002 are taken from report SHA22-042197.009

The test results 021 are taken from report SHA22-034110.009

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ( $w = 0$ ) stated in ILAC-G8:09/2019.

**Remark:**

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2. The declaration of conformity is based on non-binary acceptance decision rules with guard band, and the guard band length parameter is 0. When the measured value falls in the guard band limit, the declaration of conformity is "Conditional PASS" or "Conditional FAIL".

**Photo:**



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



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