

Test Report No.:	SHHL2206022671TY
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#### 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	:	3 Y+
Requested Age Grading	:	3 Y+
Client Reference Information	:	E3184A
		*****
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	:	AUG 20, 2022
Testing Period	:	JUN 19, 2022 TO AUG 22, 2022

Test Requested	<u>Result</u>
ASTM F963-17 Standard Consumer Safety Specification for Toy Safety	Pass
Physical and mechanical tests consisting US CPSC 16 CFR 1500.48, US CPSC 16 CFR 1500.49 and US CPSC 16 CFR 1501	<u>Pass</u>
US CPSC 16 CFR 1500.19 – Misbranded toys and other articles intended for use by children	Pass
US CPSC 16 CFR 1500.44 – Method for determining extremely flammable and flammable solids	Pass
Tracking label per Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products.	<u>Pass</u>
Lead (Pb)	Pass
Part 1303, Title 16, Code of Federal Regulations, Chapter II – Consumer Products Safety Commission of U.S.A. requirement-Lead	<u>Pass</u>
CPSIA section 101(a)(2)-Lead in accessible substrate materials (Non-Metal)	Pass





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<u>Test Requested</u> CPSIA section 101(f)-Lead in paint/similar surface coating material <u>Result</u> <u>Pass</u>

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

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



Jessie Zhou Authorized Signatory



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Result:

#### 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:

4       Safety Requirements         4.1       Material Quality **       Pass         4.2       Flammability Test       Pass (See Detail test result)         4.3       Toxicology         4.3.5       Heavy Elements         4.3.5.1       Heavy Elements in Paint/Similar Surface Coating Materials         4.3.5.2       Heavy Metal in Substrate Materials	of
4.2       Flammability Test       Pass (See Detail test result)         4.3       Toxicology       4.3.5         4.3.5       Heavy Elements       4.3.5.1         4.3.5.1       Heavy Elements in Paint/Similar Surface Coating Materials       Pass (See Detail test result)	of
4.3       Toxicology         4.3.5       Heavy Elements         4.3.5.1       Heavy Elements in Paint/Similar Surface Coating Materials         Pass (See Detail test result)	of
<ul> <li>4.3 Toxicology</li> <li>4.3.5 Heavy Elements</li> <li>4.3.5.1 Heavy Elements in Paint/Similar Surface Coating Materials</li> <li>Pass (See Detail test result)</li> </ul>	
4.3.5       Heavy Elements         4.3.5.1       Heavy Elements in Paint/Similar Surface Coating Materials <u>Pass (See Detail</u> )	
4.3.5.1 Heavy Elements in Paint/Similar Surface Coating Materials <u>Pass (See Detail</u> test result)	
test result)	
	<u>of</u>
test result)	
4.5 Sound-Producing Toys <u>Pass</u>	
4.6.3 Labelling Requirements <u>Pass</u>	
4.7 Accessible Edges Pass	
4.9 Accessible Points Pass	
4.11 Nails and Fasteners <u>Pass</u>	
4.12 Plastic Film Pass	
4.25 Battery-Operated Toys Pass	
5 Safety Labeling Requirements	
5.2 Age Grading Labeling Pass	
5.3 Safety Labeling Requirements Pass	
5.11 Small Objects, Small Balls, Marbles, and Balloons <u>Pass</u>	
5.15 Battery-Operated Toys Pass	
5.16 Promotional Materials Pass	
6 Instructional Literature	
6.5 Battery-Operated Toys Pass	
7 Producer's Markings	
7.1 Producer's Markings Pass	
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 <u>Pass</u>	





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\*\* Visual Examination

Detail of test result:

<u>ASTM F963-17, Clause 4.2 – Flammability Test</u> <u>Flammability Test on Solid</u>

> Sample BEEP 'N' BUY CASHREGISTER

Burning Rate (inch/sec) 0.04

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.

#### PHYSICAL AND MECHANICAL TESTS CONSISTING US CPSC 16 CFR 1500.48, US CPSC 16 CFR 1500.49 AND US CPSC 16 CFR 1501

AS SPECIFIED IN PHYSICAL AND MECHANICAL TESTS CONSISTING US CPSC 16 CFR 1500.48, US CPSC 16 CFR 1500.49 AND US CPSC 16 CFR 1501

	<u>No. of</u>	Sharp point	Sharp edge	
	<u>sample</u>	(16 CFR	(16 CFR	Small part
	tested	1500.48)	<u>1500.49)</u>	(16 CFR 1501)
As received	1	Pass	Pass	N/A
Impact test (16 CFR 1500.53b)	1	Pass	Pass	N/A
Bite test (16 CFR 1500.53c)	0	N/A	N/A	N/A
Flexure test (16 CFR 1500.53d)	0	N/A	N/A	N/A
Torque test (16 CFR 1500.53e)	1	Pass	Pass	N/A
Tension test (16 CFR 1500.53f)	1	Pass	Pass	N/A
Compression test (16 CFR	1	Pass	Pass	N/A
1500.53g)				

N/A = Not Applicable

# US CPSC 16 CFR 1500.19 – MISBRANDED TOYS AND OTHER ARTICLES INTENDED FOR USE BY CHILDREN PASS



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US CPSC 16 CFR 1500.44 – METHOD FOR DETERMINING EXTREMELY FLAMMABLE AND FLAMMABLE SOLIDS

AS SPECIFIED IN US CPSC 16 CFR 1500.44 – METHOD FOR DETERMINING EXTREMELY FLAMMABLE AND FLAMMABLE SOLIDS

Sample BEEP 'N' BUY CASHREGISTER Burning Rate (inch/sec) 0.04

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.

# TRACKING LABEL PER CONSUMER PRODUCT SAFETY IMPROVEMENT ACT (CPSIA) OF 2008 SECTION 103 TRACKING LABELS FOR CHILDREN'S PRODUCTS.

Notes:

- Note 1: As specified in Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products.
- Tracking label found on the packaging: P214616010801 NBCN 07/2022
- Tracking label found on the product: P214616010801 NBCN 07/2022
- Note 2: 1) The tracking label assessment was based on the submitted samples and the information provided by the applicant. There was no verification on the validity of such information.
  - 2) City and State, or administrative state shall be also provided for the source (location) information.



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Test Result(s) :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SHA22-080096.001	Grey plastic
SN2	SHA22-080096.002	White ABS
SN3	SHA22-080096.003	Red plastic
SN4	SHA22-080096.004	Transparent ABS
SN5	SHA22-080096.005	Light grey plastic
SN6	SHA22-080096.006	Colorful plastic film
SN7	SHA22-080096.007	Colorful plastic
SN8	SHA22-080096.008	White coating
SN9	SHA22-080096.009	Black coating
SN10	SHA22-080096.010	Red coating
SN11	SHA22-080096.011	Blue coating
SN12	SHA22-080096.012	Light gren coating
SN13	SHA22-080096.013	Yellow coating
SN14	SHA22-080096.014	Dark red coating
SN15	SHA22-080096.015	Colorful sticker paper
SN16	SHA22-080096.016	White/Green paper
SN17	SHA22-080096.017	White/Red paper
SN18	SHA22-080096.018	White/Blue paper
SN19	SHA22-080096.019	White cord
SN20	SHA22-080096.020	Natural color MDF
SN21	SHA22-080096.021	Natural color plywood

#### Remarks :

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





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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.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>	<u>002</u>	<u>003</u>
Total Lead (Pb)	100	mg/kg	20	ND	ND	ND
<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>004</u>	<u>005</u>	<u>006</u>
Total Lead (Pb)	100	mg/kg	20	ND	ND	ND
<u>Test Item(s)</u> Total Lead (Pb)	<u>Limit</u> 100	<u>Unit</u> mg/kg	<u>MDL</u> 20	<u>007</u> ND		

#### Lead (Pb)

Test Method : With reference to US EPA 3052:1996, analysis was performed by ICP-OES.

<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 40	<u>Unit</u> mg/kg	<u>MDL</u> 2	<u>001</u> ND <b>PASS</b>	<u>002</u> ND <b>PASS</b>	<u>003</u> ND <b>PASS</b>
<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 40	<u>Unit</u> mg/kg	MDL 2	<u>004</u> ND <b>PASS</b>	<u>005</u> ND <b>PASS</b>	<u>006</u> ND <b>PASS</b>
<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 40	<u>Unit</u> mg/kg	<u>MDL</u> 2	<u>007</u> ND <b>PASS</b>	<u>008</u> ND <b>PASS</b>	<u>009</u> ND <b>PASS</b>
<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 40	<u>Unit</u> mg/kg	MDL 2	<u>010</u> ND <b>PASS</b>	<u>011</u> ND <b>PASS</b>	<u>012</u> ND <b>PASS</b>
<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 40	<u>Unit</u> mg/kg	<u>MDL</u> 2	<u>013</u> ND <b>PASS</b>	<u>014</u> ND <b>PASS</b>	

Notes :

The maximum permissible limit is quoted from the client requirement.

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# 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-CH-E1003-09.1, analysis was performed by AAS.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>008</u>	<u>009</u>	<u>010</u>
Total Lead (Pb)	90	mg/kg	20	ND	ND	ND
<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>011</u>	<u>012</u>	<u>013</u>
Total Lead (Pb)	90	mg/kg	20	ND	ND	ND
<u>Test Item(s)</u> Total Lead (Pb)	<u>Limit</u> 90	<u>Unit</u> mg/kg	<u>MDL</u> 20	<u>014</u> ND		

# Part 1303, Title 16, Code of Federal Regulations, Chapter II – Consumer Products Safety Commission of U.S.A. requirement-Lead

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

<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 0.009	<u>Unit</u> %	<u>MDL</u> 0.002	<u>008</u> ND <b>PASS</b>	<u>009</u> ND <b>PASS</b>	<u>010</u> ND <b>PASS</b>
<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 0.009	<u>Unit</u> %	<u>MDL</u> 0.002	<u>011</u> ND <b>PASS</b>	<u>012</u> ND <b>PASS</b>	<u>013</u> ND <b>PASS</b>
<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 0.009	<u>Unit</u> %	<u>MDL</u> 0.002	<u>014</u> ND <b>PASS</b>		



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#### <u>American Society for Testing and Materials –ASTM F 963-17 – soluble Heavy Metal for paint and similar</u> <u>surface-coating materials/ Substrate Materials</u>

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

Test Item(s)	Limit	<u>Unit</u>	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
Test Item(s)	<u>Limit</u>	<u>Unit</u>	MDL	<u>004</u>	<u>005</u>	<u>006</u>
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
<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	MDL	<u>007</u>	<u>008</u>	<u>009</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	-	-
<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	MDL	<u>010</u>	<u>011</u>	<u>012</u>
Soluble Lead (Pb)	90	mg/kg	5	-	-	-
Soluble Antimony (Sb)	60	mg/kg	5	-	-	-





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Soluble Arsenic (As)	25	mg/kg	2.5	-	-	-
Soluble Barium (Ba)	1000	mg/kg	10	-	-	-
Soluble Cadmium (Cd)	75	mg/kg	5	-	-	-
Soluble Chromium (Cr)	60	mg/kg	5	-	-	-
Soluble Mercury (Hg)	60	mg/kg	5	-	-	-
Soluble Selenium (Se)	500	mg/kg	10	-	-	-
<u>Test Item(s)</u>	Limit	<u>Unit</u>	<u>MDL</u>	<u>013</u>	<u>014</u>	<u>015</u>
Soluble Lead (Pb)	90	mg/kg	5	-	ND	ND
Soluble Antimony (Sb)	60	mg/kg	5	-	ND	ND
Soluble Arsenic (As)	25	mg/kg	2.5	-	ND	ND
Soluble Barium (Ba)	1000	mg/kg	10	-	14	ND
Soluble Cadmium (Cd)	75	mg/kg	5	-	ND	ND
Soluble Chromium (Cr)	60	mg/kg	5	-	ND	ND
Soluble Mercury (Hg)	60	mg/kg	5	-	ND	ND
Soluble Selenium (Se)	500	mg/kg	10	-	ND	ND
<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	MDL	<u>016</u>	<u>017</u>	<u>018</u>
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
<u>Test Item(s)</u>	Limit	<u>Unit</u>	MDL	<u>019</u>	<u>020</u>	<u>021</u>
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



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Date: AUG 22, 2022

Notes :

(1) Results shown are of the adjusted analytical results.

(2) As received, the test portion of samples  $008 \sim 013$  from one whole sample are less than 10mg, therefore such components were not tested for certain migration elements, as specified in ASTM F963-17 Clause 8.3.3.6 (2) – Selection of Test Portions.

#### CPSIA section 101(a)(2)-Lead in accessible substrate materials (Non-Metal)

Test Method : With reference to CPSC-CH-E1002-08.3 ,analysis was performed by AAS or ICP-OES.

<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 0.01	<u>Unit</u> %	<u>MDL</u> 0.002	001 ND <b>PASS</b>
<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 0.01	<u>Unit</u> %	<u>MDL</u> 0.002	002 ND <b>PASS</b>
<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 0.01	<u>Unit</u> %	<u>MDL</u> 0.002	003 ND <b>PASS</b>
<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 0.01	<u>Unit</u> %	<u>MDL</u> 0.002	004 ND <b>PASS</b>
<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 0.01	<u>Unit</u> %	<u>MDL</u> 0.002	005 ND PASS
<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 0.01	<u>Unit</u> %	<u>MDL</u> 0.002	006 ND <b>PASS</b>
<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 0.01	<u>Unit</u> %	<u>MDL</u> 0.002	<u>007</u> ND <b>PASS</b>





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#### CPSIA section 101(f)-Lead in paint/similar surface coating material

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

<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 0.009	<u>Unit</u> %	<u>MDL</u> 0.002	008 ND <b>PASS</b>
<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 0.009	<u>Unit</u> %	<u>MDL</u> 0.002	009 ND <b>PASS</b>
<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 0.009	<u>Unit</u> %	<u>MDL</u> 0.002	010 ND <b>PASS</b>
<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 0.009	<u>Unit</u> %	<u>MDL</u> 0.002	011 ND <b>PASS</b>
<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 0.009	<u>Unit</u> %	<u>MDL</u> 0.002	012 ND PASS
<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 0.009	<u>Unit</u> %	<u>MDL</u> 0.002	013 ND PASS
<u>Test Item(s)</u> Lead (Pb) <b>Conclusion</b>	<u>Limit</u> 0.009	<u>Unit</u> %	<u>MDL</u> 0.002	<u>014</u> ND <b>PASS</b>

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.



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Remark:

- 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 shall not be responsible for the authenticity and integrity of such data and information and the validity of the results and / or conclusions arising therefrom. Testing results only apply to the sample as received.
- 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".

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