

TEST REPORT

Report No : HTY25100015M01

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Date : 2025/02/05

SHENG SHIUH METAL CO., LTD.

NO.76 SHOW JON ST., SHOW SUI SHIANG, 504010, CHANG-HWA, TAIWAN

The following merchandise was submitted & identified by the applicant as:

Product Description: METAL CASH BOX; METAL SAVING BANK
Style/Item No: SS-310A (59310); SS-616A (59313); SS-621A (59331)
Manufacturer/Vendor: SHENG SHIUH METAL CO., LTD.
Country of Origin: TAIWAN
Requested Age Grading: 8+

Age Group Applied in Testing: 8 years+
Resubmitted Sample Date: 2025/01/09 & 02/03
Testing Period: 2025/01/09 – 01/22 & 02/03 ~ 02/05

We have tested the submitted sample(s) as requested and the following results were obtained:

<u>Test Requested</u>	<u>Result</u>
- EN 71-1:2014+A1:2018 - Mechanical and Physical Properties (Excluding Clause 7.1 & 7.2)	<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 on page 2</u>
- EN 71-2:2020 - Flammability	<u>Pass</u>
- Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2019/1922 – EN 71-3:2019 + A1: 2021– Migration of certain elements	<u>Pass</u>

Signed for and on behalf of
SGS Taiwan Ltd.

Iris Huang
Manager



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Test Results:

EN 71 - 1:2014+A1:2018 – Safety of toys – Part 1: Mechanical and Physical Properties

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>
4.10	Parts moving against each other	
	4.10.3 Hinges	<u>Pass</u>
	4.10.4 Springs	<u>Pass</u>
5	Toys intended for children under 36 months	
5.1	General requirements	<u>See Remark</u>
	(Remark: The metal keys with rings are small parts as received and foam pads, plastic sticker became detached as small parts after test. Therefore, item should be warned in accordance with clause 7.2.)	
7	Warnings, markings and instructions for use	
7.1	General	<u>Excluded</u>
7.2	Toys not intended for children under 36months	<u>See Remark</u>
	(Remark: The toy contains small parts. In order to comply with the requirements of this clause, the toy or its packaging must be marked with the warning “Warning. Not suitable for children under 36 months. Small parts. Choking Hazard.”)	

N.B.: -Only applicable clauses were shown

LABELING REQUIREMENT (WASHING/CLEANING INSTRUCTION, CE MARK, IMPORTER / MANUFACTURER NAME AND 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

Summary table:

	Observation Result	Location
Washing/Cleaning instruction	Not applicable	---
CE mark	Absent. See note 2	---
Importer's Name & Address	Absent. See note 3	---
Manufacturer's Name & Address	Absent. See note 3	---
Product ID	Absent. See note 4	---

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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 soaked 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

Clause	Description	Result
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4.1	General requirements	Pass
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N.B.: -Only applicable clauses were shown

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Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738, Commission Directive (EU) 2019/1922 – EN 71-3:2019 + A1: 2021– Migration of certain elements

Category III: Scrapped-off toy material

Method: With reference to EN 71 - 3:2019 + A1: 2021. Analysis of general elements was performed by ICP-OES. Chromium (III) was obtained by calculation. Chromium (VI) was analyzed by LC-ICP-MS. Organic Tin was analyzed by GC-MS.

Test Items		Result(mg/kg)				RL	Permissible Limit
		1	2	3	4	(mg/kg)	(mg/kg)
Soluble Aluminum	(Al)	N.D.	N.D.	N.D.	N.D.	50	28,130
Soluble Antimony	(Sb)	N.D.	N.D.	N.D.	N.D.	10	560
Soluble Arsenic	(As)	N.D.	N.D.	N.D.	N.D.	10	47
Soluble Barium	(Ba)	786	866	885	N.D.	50	18,750
Soluble Boron	(B)	N.D.	N.D.	N.D.	N.D.	50	15,000
Soluble Cadmium	(Cd)	N.D.	N.D.	N.D.	N.D.	5	17
Soluble Cobalt	(Co)	N.D.	N.D.	N.D.	N.D.	10	130
Soluble Copper	(Cu)	N.D.	N.D.	N.D.	N.D.	50	7,700
Soluble Lead	(Pb)	N.D.	N.D.	N.D.	N.D.	10	23
Soluble Manganese	(Mn)	N.D.	N.D.	N.D.	N.D.	50	15,000
Soluble Mercury	(Hg)	N.D.	N.D.	N.D.	N.D.	10	94
Soluble Nickel	(Ni)	N.D.	N.D.	N.D.	N.D.	10	930
Soluble Selenium	(Se)	N.D.	N.D.	N.D.	N.D.	10	460
Soluble Strontium	(Sr)	N.D.	N.D.	N.D.	N.D.	50	56,000
Soluble Tin	(Sn)	N.D.	N.D.	N.D.	N.D.	4.9	180,000
Soluble Zinc	(Zn)	N.D.	N.D.	N.D.	N.D.	50	46,000
Soluble Chromium	(Cr)	N.D.	N.D.	N.D.	N.D.	5	-
Soluble Chromium (III)	(Cr (III))	N.D.	N.D.	N.D.	N.D.	5	460
Soluble Chromium (VI)	(Cr (VI))	N.D.	N.D.	N.D.	N.D.	0.02	0.053
Soluble Organic Tin [#]	-	N.D.	N.D.	N.D.	N.D.	-	12

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Test Items		Soluble Organic Tin Result(s)				RL (mg/kg)
		1	2	3	4	
Methyl tin	(MeT)	N.D.	N.D.	N.D.	N.D.	1.8
Dimethyl tin	(DMT)	N.D.	N.D.	N.D.	N.D.	1.8
Di-n-propyl tin	(DProT)	N.D.	N.D.	N.D.	N.D.	1.8
Butyl tin	(BuT)	N.D.	N.D.	N.D.	N.D.	1.8
Dibutyl tin	(DBT)	N.D.	N.D.	N.D.	N.D.	1.8
Tributyl tin	(TBT)	N.D.	N.D.	N.D.	N.D.	1.8
n-Octyl tin	(MOT)	N.D.	N.D.	N.D.	N.D.	1.8
Tetrabutyl tin	(TeBT)	N.D.	N.D.	N.D.	N.D.	1.8
Di-n-octyl tin	(DOT)	N.D.	N.D.	N.D.	N.D.	1.8
Diphenyl tin	(DPhT)	N.D.	N.D.	N.D.	N.D.	1.8
Triphenyl tin	(TPhT)	N.D.	N.D.	N.D.	N.D.	1.8

Test Items		Result(mg/kg)				RL (mg/kg)	Permissible Limit (mg/kg)
		5	6	7	8		
Soluble Aluminum	(Al)	N.D.	977	N.D.	N.D.	50	28,130
Soluble Antimony	(Sb)	N.D.	N.D.	N.D.	N.D.	10	560
Soluble Arsenic	(As)	N.D.	N.D.	N.D.	N.D.	10	47
Soluble Barium	(Ba)	136	N.D.	N.D.	N.D.	50	18,750
Soluble Boron	(B)	N.D.	N.D.	N.D.	N.D.	50	15,000
Soluble Cadmium	(Cd)	N.D.	N.D.	N.D.	N.D.	5	17
Soluble Cobalt	(Co)	N.D.	N.D.	N.D.	N.D.	10	130
Soluble Copper	(Cu)	N.D.	N.D.	N.D.	N.D.	50	7,700
Soluble Lead	(Pb)	N.D.	N.D.	N.D.	N.D.	10	23
Soluble Manganese	(Mn)	N.D.	N.D.	N.D.	N.D.	50	15,000
Soluble Mercury	(Hg)	N.D.	N.D.	N.D.	N.D.	10	94
Soluble Nickel	(Ni)	N.D.	N.D.	N.D.	N.D.	10	930
Soluble Selenium	(Se)	N.D.	N.D.	N.D.	N.D.	10	460
Soluble Strontium	(Sr)	N.D.	N.D.	N.D.	N.D.	50	56,000
Soluble Tin	(Sn)	N.D.	N.D.	N.D.	N.D.	4.9	180,000
Soluble Zinc	(Zn)	N.D.	N.D.	7,910	90.0	50	46,000
Soluble Chromium	(Cr)	N.D.	N.D.	N.D.	N.D.	5	-
Soluble Chromium (III)	(Cr (III))	N.D.	N.D.	N.D.	N.D.	5	460
Soluble Chromium (VI)	(Cr (VI))	N.D.	N.D.	N.D.	N.D.	0.02	0.053
Soluble Organic Tin [#]	-	N.D.	N.D.	N.D.	N.D.	-	12

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Test Items		Soluble Organic Tin Result(s)				RL (mg/kg)
		6	7	8	9	
Methyl tin	(MeT)	N.D.	N.D.	N.D.	N.D.	1.8
Dimethyl tin	(DMT)	N.D.	N.D.	N.D.	N.D.	1.8
Di-n-propyl tin	(DProT)	N.D.	N.D.	N.D.	N.D.	1.8
Butyl tin	(BuT)	N.D.	N.D.	N.D.	N.D.	1.8
Dibutyl tin	(DBT)	N.D.	N.D.	N.D.	N.D.	1.8
Tributyl tin	(TBT)	N.D.	N.D.	N.D.	N.D.	1.8
n-Octyl tin	(MOT)	N.D.	N.D.	N.D.	N.D.	1.8
Tetrabutyl tin	(TeBT)	N.D.	N.D.	N.D.	N.D.	1.8
Di-n-octyl tin	(DOT)	N.D.	N.D.	N.D.	N.D.	1.8
Diphenyl tin	(DPhT)	N.D.	N.D.	N.D.	N.D.	1.8
Triphenyl tin	(TPhT)	N.D.	N.D.	N.D.	N.D.	1.8

Test Items		Result(mg/kg)				RL	Permissible Limit
		9	10	11~15	16	(mg/kg)	(mg/kg)
Soluble Aluminum	(Al)	N.D.	256	N.D.	N.D.	50	28,130
Soluble Antimony	(Sb)	N.D.	N.D.	N.D.	N.D.	10	560
Soluble Arsenic	(As)	N.D.	N.D.	N.D.	N.D.	10	47
Soluble Barium	(Ba)	N.D.	N.D.	N.D.	N.D.	50	18,750
Soluble Boron	(B)	N.D.	N.D.	N.D.	N.D.	50	15,000
Soluble Cadmium	(Cd)	N.D.	N.D.	N.D.	N.D.	5	17
Soluble Cobalt	(Co)	N.D.	N.D.	N.D.	N.D.	10	130
Soluble Copper	(Cu)	N.D.	N.D.	N.D.	N.D.	50	7,700
Soluble Lead	(Pb)	N.D.	N.D.	N.D.	N.D.	10	23
Soluble Manganese	(Mn)	N.D.	N.D.	N.D.	N.D.	50	15,000
Soluble Mercury	(Hg)	N.D.	N.D.	N.D.	N.D.	10	94
Soluble Nickel	(Ni)	N.D.	N.D.	N.D.	17.6	10	930
Soluble Selenium	(Se)	N.D.	N.D.	N.D.	N.D.	10	460
Soluble Strontium	(Sr)	N.D.	N.D.	N.D.	N.D.	50	56,000
Soluble Tin	(Sn)	N.D.	N.D.	N.D.	N.D.	4.9	180,000
Soluble Zinc	(Zn)	N.D.	N.D.	N.D.	N.D.	50	46,000
Soluble Chromium	(Cr)	N.D.	N.D.	N.D.	N.D.	5	-
Soluble Chromium (III)	(Cr (III))	N.D.	N.D.	N.D.	N.D.	5	460
Soluble Chromium (VI)	(Cr (VI))	N.D.	N.D.	N.D.	N.D.	0.02	0.053
Soluble Organic Tin [#]	-	N.D.	N.D.	N.D.	N.D.	-	12

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Test Items		Soluble Organic Tin Result(s)				RL (mg/kg)
		9	10	11~15	16	
Methyl tin	(MeT)	N.D.	N.D.	N.D.	N.D.	1.8
Dimethyl tin	(DMT)	N.D.	N.D.	N.D.	N.D.	1.8
Di-n-propyl tin	(DProT)	N.D.	N.D.	N.D.	N.D.	1.8
Butyl tin	(BuT)	N.D.	N.D.	N.D.	N.D.	1.8
Dibutyl tin	(DBT)	N.D.	N.D.	N.D.	N.D.	1.8
Tributyl tin	(TBT)	N.D.	N.D.	N.D.	N.D.	1.8
n-Octyl tin	(MOT)	N.D.	N.D.	N.D.	N.D.	1.8
Tetrabutyl tin	(TeBT)	N.D.	N.D.	N.D.	N.D.	1.8
Di-n-octyl tin	(DOT)	N.D.	N.D.	N.D.	N.D.	1.8
Diphenyl tin	(DPhT)	N.D.	N.D.	N.D.	N.D.	1.8
Triphenyl tin	(TPhT)	N.D.	N.D.	N.D.	N.D.	1.8

Sample Description:

1. Red coating of sample.
2. Gray coating of sample.
3. Blue coating of sample.
4. Pink coating of sample.
5. Black coating of sample.
6. Black metal of sample. (on knob)
7. Matt Gray metal of sample. (sheet back of metal knob)
8. Black foam with adhesive of sample.
9. Black plastic of sample. (knob)
10. Silver plastic sticker with black printing of sample.
11. White paper sticker with black/blue printing of sample.
12. White plastic of sample. (tray)
13. Gray plastic of sample. (on the back of knob)
14. Gray plastic of sample. (C ring-on the back of knob)
15. Silver metal of sample. (key)
16. Silver metal of sample. (ring of key)

Remark:

1. mg/kg = ppm; 0.1% = 1000ppm
2. N.D. = Not Detected = Less than RL
3. RL = Reporting Limit
4. " - " = Not Regulated

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5. As received, the test portions of white coating on knob, golden paper sticker with black printing on sample 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, Clause 7.1 – selection of test portions.
6. The content of this report is invalid if it is not presented as the entire report.
7. The decision rule of the statements of conformity is following the ILAC G8:09/2019 by using the simple acceptance decision rule.
8. The chemical test was conducted at SGS Taiwan Ltd. Chemical Laboratory-Taipei.

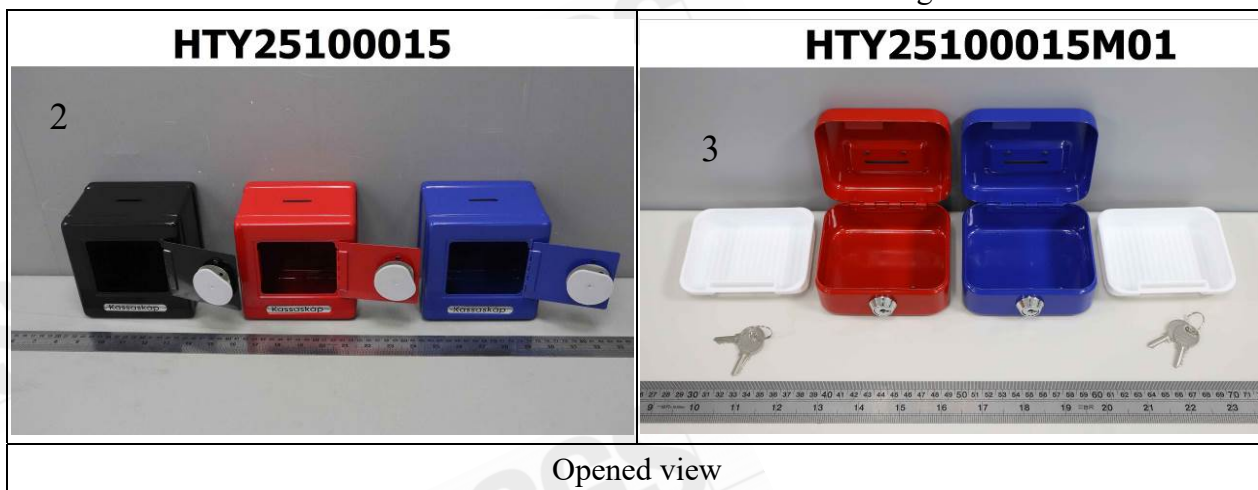


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