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CERTIFICATE OF COMPLIANCE

SGS United Kingdom A UKAS Accredited Test House

Client Name : MEI ZHEN TOYS FACTORY

Test Report Number T51810252796TY

Reference Number : WSZ-UK5181250255TY

Item Number : PLEASE SEE REPORT DETAILS

Sample Description : TOOL SERIES Date of Issue : AUG 02, 2018

Applied Standards Result

1) EN 71-1:2014 – Safety of toys – Part 1: Mechanical and Physical Properties

Pass

2) EN 71-2:2011+A1:2014 - Safety of toys - Part 2: Flammability

Pass

3) Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738 -

EN 71-3:2013 + A2:2017 - Migration of certain elements in the specified specimen(s) as listed

Pass

This certificate of compliance must not be used without the attached reference test report.

Ouyang Qin, Cansy Lab Operation Manager SGS SHENZHEN

Nina Pratt

Senior Technologist

lepretto

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MEI ZHEN TOYS FACTORY
CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG, CHINA

The following samples were submitted and identified by/on behalf of the client as:

TOOL SERIES

Item No. : 108-1, 108-2, 108-3, 108-4, 108-5, 108-6, 108-7, 108-8,

108-9, 108-10, 108-11, 108-12, 108-13, 108-14, 108-15, 108-16, 108-17, 108-18, 108-19, 108-20, 108-21, 108-22, 108-23, 108-24, 108-25, 108-26, 108-27, 108-28, 108-29, 108-30, 222-1, 222-2, 222-3, 222-4, 222-5, 222-6, 222-7, 222-8, 222-9, 222-10, 333-1, 333-2, 333-3, 333-4, 333-5, 333-6, 333-7, 333-8, 333-9, 333-10, 555-1, 555-2, 555-3, 555-4, 555-5, 555-6, 555-7, 555-8, 555-9, 555-10, 666-1, 666-2, 666-3, 666-4, 666-5, 666-6, 666-7, 666-8, 666-9, 666-10, 888-1, 888-2, 888-3, 888-4, 888-5, 888-6, 888-7,

888-8, 888-9, 888-10

Labeled Age Grading : 3+ Requested Age Grading : 3+

Age Group Assessed As Per Age Guideline : OVER 3 YEARS
Age Group Applied in Testing : OVER 3 YEARS
Sample Receiving Date : JUL 27, 2018

Testing Period : JUL 27, 2018 TO AUG 02, 2018





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Test F	Conclusion	
1.	With reference to the European standard on Safety of toys:-	
	EN 71-1:2014 – Safety of toys – Part 1: Mechanical and Physical Properties	PASS
	EN 71-2:2011+A1:2014 – Safety of toys – Part 2: Flammability	PASS
	Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification) according to the Directive 2009/48/EC-Safety of toys	SEE RESULT
	Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738 – EN 71-3:2013 + A2:2017 – Migration of certain elements in the specified specimen(s) as listed	PASS

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

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch Testing Center

Liu Junjie, Tony Section Manager CNAS Approved Signatories Ouyang Qin, Cansy Operation manager CNAS Approved Signatories





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Results:

EUROPEAN STANDARD ON SAFETY OF TOYS

EN 71-1:2014 - SAFETY OF TOYS - PART 1: MECHANICAL AND PHYSICAL PROPERTIES

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

Clauses relevant to the item:

<u>Clause</u>	<u>Description</u>	<u>Result</u>
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>
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 parts. It is acceptable because appropriate warning is found on packaging.)	Pass (See Remark)

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.



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EN 71-2:2011+A1:2014 - SAFETY OF TOYS - PART 2: FLAMMABILITY

AS SPECIFIED IN EN 71-2:2011+A1:2014 - SAFETY OF TOYS - PART 2: FLAMMABILITY

Clauses relevant to the item:

<u>Clause</u> <u>Description</u>

Result

<u>Pass</u>

4.1 General requirements

Type of gas: Butane gas used in the test burner

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	Packaging	
Importer's Name & Address	Absent. See note 3		
Manufacturer's Name & Address	Absent. See note 3		
Product ID	Absent. See note 4		

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 soak washed. 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.



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<u>Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738 – EN 71-3:2013 + A2:2017 – Migration of certain elements</u>

Category III: Scraped-off toy material

Method: With reference to EN 71-3:2013 + A2:2017. Analysis of general elements was performed by ICP-OES. Chromium (III) was obtained by calculation, chromium (VI) was analyzed by LC-ICP-MS and organic tin was analyzed by GC-MS.

Test Item(s)			Result(s)		MDL	Permissible Limit
Specimen No.			1	2		-
Mass of trace amount		(mg)				
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	50	70000
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	5	17
Soluble Chromium	(Cr)	(mg/kg)	ND	ND	0.15	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	0.12	0.2
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	10	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	3.3	180000
Soluble Organic Tin		(mg/kg)	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	50	46000



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Test Item(s)			Result(s)		MDL	Permissible Limit
Specimen No.			3	4		
Mass of trace amount		(mg)				
Soluble Aluminium	(AI)	(mg/kg)	ND	ND	50	70000
Soluble Antimony	(Sb)	(mg/kg)	ND	ND	10	560
Soluble Arsenic	(As)	(mg/kg)	ND	ND	10	47
Soluble Barium	(Ba)	(mg/kg)	ND	ND	50	18750
Soluble Boron	(B)	(mg/kg)	ND	ND	50	15000
Soluble Cadmium	(Cd)	(mg/kg)	ND	ND	5	17
Soluble Chromium	(Cr)	(mg/kg)	ND	ND	0.15	
Soluble Chromium (III)	(Cr (III))	(mg/kg)	ND	ND	1	460
Soluble Chromium (VI)	(Cr (VI))	(mg/kg)	ND	ND	0.12	0.2
Soluble Cobalt	(Co)	(mg/kg)	ND	ND	10	130
Soluble Copper	(Cu)	(mg/kg)	ND	ND	50	7700
Soluble Lead	(Pb)	(mg/kg)	ND	ND	10	23
Soluble Manganese	(Mn)	(mg/kg)	ND	ND	50	15000
Soluble Mercury	(Hg)	(mg/kg)	ND	ND	10	94
Soluble Nickel	(Ni)	(mg/kg)	ND	ND	10	930
Soluble Selenium	(Se)	(mg/kg)	ND	ND	10	460
Soluble Strontium	(Sr)	(mg/kg)	ND	ND	50	56000
Soluble Tin	(Sn)	(mg/kg)	ND	ND	3.3	180000
Soluble Organic Tin		(mg/kg)	ND	ND		12
Soluble Zinc	(Zn)	(mg/kg)	ND	ND	50	46000

Specimen Description:

- 1. Grey plastic (Wrench)
- Yellow plastic (Knife)
- Dark red plastic (G-Clamp)
- Black plastic (Plier)



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Note: - mg/kg = milligram per kilogram

- mg = milligram

ND = Not Detected (lower than MDL)

- MDL = Method Detection Limit

-1% = 10000 mg/kg = 10000 ppm

- Result(s) (is) are extracted from report No.T51810210272TY.

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

Sample Photo:



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