



中国认可
国际互认
检测
TESTING
CNAS L1744

SHANTOUSHI CHENGHAIQU WENSHENG PLASTIC TOYS INDUSTRY CO.,LTD

Technical Report: (8824)114-0013

Date Received: Apr 23, 2024

May 14, 2024

Page 1 of 25

SHANTOUSHI CHENGHAIQU WENSHENG PLASTIC TOYS
INDUSTRY CO.,LTD
DONGHU INDUSTRIAL ZONE, FENGXIANG STREET,
CHENGHAI DISTRICT, SHANTOU CITY, GUANGDONG
PROVINCE, CHINA

Sample Description:	GAME CONSOLE SERIES	Sample Size:	14
Vendor:	N/A	Style No(s):	SEE ATTACHMENT
Manufacturer:	N/A	SKN/SKU No.:	NOT PROVIDE
Labeled Age Grade:	NOT PRESENT	PO No.:	NOT PROVIDE
Appropriate Age Grade:	OTHERS: OVER 3 YEARS OF AGE PROJECTILE: OVER 6 YEARS OF AGE		
Client Specified Age Grade:	NOT SPECIFIED	Ref #:	NOT PROVIDE
Tested Age Grade:	OTHERS: OVER 3 YEARS OF AGE PROJECTILE: OVER 6 YEARS OF AGE	Country of Origin:	NOT PROVIDE
UPC Code:	N/A	Assortment No.:	NOT PROVIDE
Resubmitted Sample Date:	MAY 12, 2024	Further Information Date:	MAY 12, 2024
Test Starting Date:	APR 23, 2024	Test Finished Date:	MAY 14, 2024

EXECUTIVE SUMMARY:

Test Requested	Conclusion
(#)Mechanical and physical properties requirements of the tested subclauses of the European Standard, "Safety of toys", EN71: Part 1:2014+A1:2018 clauses 1-7.	PASS

To be continued

BUREAU VERITAS SHENZHEN CO.,LTD
DONGGUAN BRANCH

Lisa Bai

Lisa Bai
Analytical lab technical ass. manager



BUREAU VERITAS SHENZHEN CO.,LTD
DONGGUAN BRANCH

Tone Tang

Tone Tang
Physics Lab Assistant Supervisor

RT/ Carmen Xiong

REMARK

If there are questions or concerns on this report, please contact the following persons:

Report Enquiry: (86) 0769 89952999 Ext. 8175 CPSAnalytical.DG@bureauveritas.com

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SHANTOUSHI CHENGHAU WENSHENG PLASTIC TOYS INDUSTRY CO.,LTD

Technical Report: **(8824)114-0013**

May 14, 2024

Page 2 of 25

EXECUTIVE SUMMARY:

Test Requested	Conclusion
Labeling requirements of "CE marking, manufacturer/ Importer name and address, and product identification" under "Directive 2009/48/EC Safety of Toy".	PASS
(#)Flammability requirements of the European Standard "Safety of Toys", EN 71: Part 2: 2020.	PASS
(#)Mechanical and physical properties requirements of the tested subclauses of the British Standard, "Safety of toys", BS EN71: Part 1:2014+A1:2018, clauses 1-7.	PASS
Labeling requirements of "UKCA Marking, Company name and UK address and product identification".	PASS
(#)Flammability requirements of the British Standard "Safety of Toys", BS EN 71: Part 2: 2020.	PASS
(#)Migration of Certain Elements in Category III - Scraped off toy material requirements of the European Standard, "Safety of toys", EN 71-3:2019+A1:2021.	PASS
(#)Migration of Certain Elements in Category III - Scraped off toy material requirements of the British Standard, "Safety of toys", BS EN 71-3:2019+A1:2021.	PASS

Note: At the request of the client, the sample(s) was evaluated for use by children 3+.

Note: The supplied gun has no projection function.

Note: The manufacturer / importer information was present on the packaging only. It has to be noted that, or according to TSD 2009/48/EC, the manufacturers/ importer shall indicate their name, registered trade name registered trade mark and the address at which they can be contacted on the toy, or, where that is not possible, on its packaging or in a document accompanying the toy."

Note: The product identification is present on the packaging only. It has to be noted that, According to TSD 2009/48/EC, manufacturers shall 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.

Note: Tests with (#) are accredited by CNAS.

ATTACHMENT:

Style No(s):

627013、WS5368、630941、WS5908A、WS5901、WS5901A、WS5901B、WS5902、WS5902A、WS5902B、WS5903、WS5903A、WS5903B、WS5905、WS5905A、WS5905B、WS5906、WS5906A、WS5906B、WS5907、WS5907A、WS5907B、WS5908、WS5908B、WS5909、WS5909A、WS5909B、WS5910、WS5910A、WS5910B、WS5911、WS5911A、WS5911B、WS5912、WS5912A、WS5912B、WS5913、WS5913A、WS5913B、WS5915、WS5915A、WS5915B、WS5916、WS5916A、WS5916B、WS5917、WS5917A、WS5917B、WS5918、WS5918A、WS5918B、WS5919、WS5919A、WS5919B、WS5920、WS5920A、WS5920B、WS5801、WS5802、WS5319、WS5320、WS5321、WS5322、WS5323、WS5326、WS5329、WS5335、WS5359、WS5360、WS5375-1、WS5375-2、WS5366-1、WS5366-2、WS5376、8969、WS5367



SHANTOUSHI CHENGHAIQU WENSHENG PLASTIC TOYS INDUSTRY CO.,LTD

Technical Report: **(8824)114-0013**

May 14, 2024

Page 3 of 25

Tested Component(s) Description List:

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I002	White coating	Dance machine	-
I003	Brown/dark brown coating	Dance machine	-
I004	Black plastic	Boxing machine & Button	-
I005	Red plastic	Boxing machine	-
I006	Transparent white plastic	LED light	-
I007	Black plastic	Power switch	-
I008	Dull black plastic	Base of boxing machine	-
I009	Translucent black plastic	Base of boxing machine & dance machine	-
I010	Yellow plastic	Dance block	-
I011	White plastic	Dance machine	-
I012	Dark purple plastic	Dance machine	-
I013	Orange plastic	Button	-
I014	Yellow plastic	Button	-
I015	Purple plastic	Button	-
I016	Green plastic	Button	-
I017	Red plastic	Button	-
I018	Light black plastic	Base of dance machine & controller	-
I019	Light yellow plastic	Dance machine	-
I020	Black plastic	Socket of dance machine	-
I021	Transparent soft plastic	Film on the Score screen	-
I022	Yellow soft plastic	Sack & bouncing head	-
I023	Black EVA with adhesive	Pad	-
I024	Clear laminated multi color printed white paper with adhesive	Sticker	-
I025	Multi color printed white paper	Cards	-



SHANTOUSHI CHENGHAU WENSHENG PLASTIC TOYS INDUSTRY CO.,LTD

Technical Report: **(8824)114-0013**

May 14, 2024

Page 4 of 25

RESULTS:

APPROPRIATE AGE GRADE DETERMINATION

The Appropriate Age Grade is determined with reference to the EN71 : Part 1 : 2014+A1:2018,
CEN ISO/TR 8124-8:2016 Safety of toys - Part 8: Age determination guidelines prepared by Technical Committee
CEN/TC 52 and

Age Grade Determination Guidelines of the Consumer Product Safety Commission (CPSC).

Note : The most stringent age grade from the Labeled Age Grade and the Appropriate Age Grade will be used for testing.

Note : If the client does not specify an age grade for testing or request Bureau Veritas Consumer Products Services, Inc. to determine an appropriate age grade, the labeled age grade will be used for testing.

EXPLANATION OF THE ABBREVIATIONS FOR PART 1, 2 & 6

Symbol	Explanation				
NM	The sample(s) DOES NOT MEET the requirement of this Subclause				
M	The sample(s) MEET the requirement of this Subclause				
N/A	Not Applicable				
NR	Not Requested				
NE	Not Evaluated				
NP	None Present				
NT	Not Tested				
P	Present				
R	Refer to Comment Section of this report				
Symbol	Language Present	Symbol	Language Present	Symbol	Language Present
B	Belgian language	G	German language	PR	Portuguese language
D	Danish language	GR	Greek language	S	Spanish language
E	English language	H	Dutch language	SD	Swedish language
F	Finnish language	I	Italian language	SZ	Swiss language
FR	French language	N	Norwegian language		



SHANTOUSHI CHENGHAU WENSHENG PLASTIC TOYS INDUSTRY CO.,LTD

Technical Report: **(8824)114-0013**

May 14, 2024

Page 5 of 25

RESULTS:

**MECHANICAL & PHYSICAL PROPERTIES
(EN 71: PART 1 – 2014+A1 – 2018)**

Subclause	Requirement	Result
4.1	Material cleanliness	M
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy Bags	NA
4.5	Glass	M
4.6	Expanding materials	NA
4.7 & 7.6	Edges	M
4.8 & 7.6	Points and metallic wires	M
4.8e	Splinters	M
4.9	Protruding parts	M
4.10.1	Folding and sliding mechanisms	NA
4.10.2	Driving mechanisms	M
4.10.3	Hinges	NA
4.10.4	Springs	NA
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12 & 7.3	Balloons	NA
4.13 & 7.9	Cord of toy kites and other flying toys	NA
4.14.1	Toys which a child can enter	NA
4.14.2 & 7.8	Masks and helmets	NA
4.15.1	Toys propelled by child	
4.15.1.2 & 7.10.1 & 7.10.2 & 7.10.3 & 7.10.4 & 7.16	Toys propelled by child – Instructions for use	NA
4.15.1.3	Toys propelled by child – Strength	NA
4.15.1.4	Toys propelled by child – Stability	NA
4.15.1.5	Toys propelled by child – Braking	NA
4.15.1.6	Toys propelled by child - Transmission	NA
4.15.1.7	Toys propelled by child – insertion mark	NA
4.15.1.8	Electrically-driven ride-on toys	NA
4.15.2	Toy bicycles	
4.15.2.2 & 7.15	Toy bicycles – Warnings and instructions for use	NA
4.15.2.3	Toy bicycles – Braking	NA
4.15.3 & 7.16 & 7.19	Rocking horses and similar toys	NA
4.15.4 & 7.16	Toys not propelled by child	NA
4.15.5 & 7.18	Toy scooters	NA



SHANTOUSHI CHENGHAU WENSHENG PLASTIC TOYS INDUSTRY CO.,LTD

Technical Report: **(8824)114-0013**

May 14, 2024

Page 6 of 25

RESULTS:

Subclause	Requirement	Result
4.16	Heavy immobile toys	NA
4.17.2	All projectiles	M
4.17.3 & 7.7	Projectile toys with stored energy	NA
4.17.4 & 7.26	Certain projectiles toys without stored energy	NA
4.18 & 7.4	Aquatic toys and inflatable toys	NA
4.19 & 7.13 & 7.14	Percussion caps	NA
4.20.2.1- 4.20.2.4, 4.20.2.6-4.20.2.12 & 7.14	Acoustics	M
*4.20.2.5	Acoustics– Toys using headphones or earphones	NA
4.21	Toys containing a non-electrical heat source	NA
4.22 & 7.2	Small balls	M
4.23	Magnet	
4.23.2 a, b & c	Toy other than magnetic / electrical experimental sets intended for children over 8 years	NA
4.23.3 & 7.20	Magnetic / electrical experimental sets intended for children over 8 years	NA
4.24	Yo-yo ball	NA
4.25	Toys attached to food	NA
4.26	Toy Disguise Costumes	NA
4.27.1	Flying toys – General	NA
4.27.2 & 7.25.1	Rotors and propellers on flying toys	NA
4.27.3 & 7.25.2	Rotors and propellers on remote controlled flying toys	NA
FOR TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS		
5.1	General	NA
5.1a	Small parts – as received	NA
5.1b	Small parts, sharp points, sharp edges – after tests	NA
5.1c	Cross section <2mm metal points & wires	NA
5.1e	Toys contain glue	NA
5.1f	Casing of toys	NA
5.2	Fillings, coverings and seams	NA
5.3	Adhesion of plastic sheeting	NA
5.4.2	Cords and chains in toys intended for children under 18 months	NA



SHANTOUSHI CHENGHAICU WENSHENG PLASTIC TOYS INDUSTRY CO.,LTD

Technical Report: **(8824)114-0013**

May 14, 2024

Page 7 of 25

RESULTS:

Subclause	Requirement	Result
5.4.3 & 7.22	Cords and chains in toys intended for children of 18 months or over but under 36 months	NA
5.4.4	Fixed loops, tangled loops and nooses	NA
5.4.5	Cords and chains on pull along toys	NA
5.4.6 & 7.21	Electrical cables	NA
5.4.7	Cross-sectional dimension of certain cords	NA
5.4.8	Self-retracting cords	NA
5.4.9 & 7.11 & 7.23	Toys attached to or intended to be strung across a cradle, cot or perambulator	NA
5.5 & 7.12	Liquid filled toys	NA
5.6	Electrically driven toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size	NA
5.9 & 7.17	Monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15 & 7.24	Sledges with cords for pulling	NA
6	Packaging	M
WARNINGS, INSTRUCTIONS FOR USE		
7.1	General	M
7.2	Toys not intended for children under 36 months	M
7.5	Functional toys	NA

2009/48/EC General Labeling Requirement

Requirement	Result
CE Mark	M
Manufacturer/ Importer name and address	M
Product Identification	M

M = Meet NM = Not Meet N/A = Not Applicable R = Refer to Comment Section NT=Not Test

Remark:

2009/48/EC General Labeling Requirements are not accredited by CNAS.



SHANTOUSHI CHENGHAIQU WENSHENG PLASTIC TOYS INDUSTRY CO.,LTD

Technical Report: **(8824)114-0013**

May 14, 2024

Page 8 of 25

RESULTS:

REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 1

Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method
4.3	8.25.1	4.15.1.5	8.26.1	4.22	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.32	5.4.5	8.40
4.5	8.5, 8.7, 8.11, 8.12	4.15.1.8	8.29	4.23	8.2, 8.3, 8.4.2.1, 8.4.2.2, 8.5, 8.6, 8.7, 8.8, 8.34, 8.35	5.4.6	8.40
4.6	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.14	4.15.2.4	8.26.2	4.24	8.37	5.4.7	8.20
4.7	8.11	4.15.3	8.21, 8.23.1	4.25	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32.1	5.7.8	8.39
4.8	8.12, 8.13	4.15.4	8.21, 8.23.1	4.26	8.38	5.5	8.15
4.9	8.4.2.3, 8.11, 8.12	4.15.5	8.11, 8.12, 8.21, 8.22, 8.26.3, 8.27	4.27.1	8.43	5.6	8.29
4.10.1	8.18.2, 8.18.3	4.16	8.23.2	4.27.2	8.4.2.6	5.8	8.16
4.10.2	8.5, 8.6, 8.7, 8.11, 8.12	4.17.1	8.3, 8.4.2.1, 8.7, 8.8, 8.42	4.27.3	8.4.2.6	5.10	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9, 8.32
4.11	8.2, 8.3, 8.4.2.1, 8.9, 8.17	4.17.2	8.3, 8.4.2.4, 8.7, 8.8, 8.32.1, 8.43, 8.44	5.1	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.9, 8.11, 8.12	5.11	8.33
4.13	8.19	4.17.3	8.3, 8.4.2.3, 8.4.2.5, 8.11, 8.12, 8.24, 8.42	5.3	8.4.2.1, 8.25	5.12	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9,
4.14.1	8.31.1, 8.31.2	4.17.4	8.3, 8.4.2.3, 8.4.2.5, 8.11, 8.12, 8.24, 8.42	5.4.1	8.40	5.13	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32
4.14.2	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.11, 8.12	4.18	8.2, 8.3, 8.4.2.1	5.4.2	8.38, 8.40, 8.41	5.14	8.38
4.15.1.3	8.11, 8.12, 8.21, 8.22	4.20	8.28	5.4.3	8.38, 8.40, 8.41	6	8.3, 8.4.2.1, 8.25.1, 8.32.1
4.15.1.4	8.23.1	4.21	8.30	5.4.4	8.36, 8.38		



SHANTOUSHI CHENGHAU WENSHENG PLASTIC TOYS INDUSTRY CO.,LTD

Technical Report: **(8824)114-0013**

May 14, 2024

Page 9 of 25

RESULTS:

FLAMMABILITY (EN 71 PART 2: 2020)

Subclause	Requirement	Result
4.1	Cellulose nitrate	NP
4.1	Highly flammable solids	NP
4.1	Surface flash on a piled surface	M
*4.1	Flammable gases	NA
*4.1	Extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels	NA
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by child in play	NA
4.3	warning on product and packaging (10 - 30 mm/s)	NA
4.4	Toys intended to be entered by child	NA
4.4	warning on product and packaging (10 - 30 mm/s)	NA
4.5	Soft-filled toys	NA

REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 2

Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method
4.2.2	5.2	4.2.4	5.3	4.3	5.4	4.5	5.5
4.2.3	5.3	4.2.5	5.4	4.4	5.4	-	-

* Note: Subclause indicated with * are not accredited.

M = Meet NM = Not Meet N/A = Not Applicable R = Refer to Comment Section
P = Present NP = Not Present



SHANTOUSHI CHENGHAU WENSHENG PLASTIC TOYS INDUSTRY CO.,LTD

Technical Report: **(8824)114-0013**

May 14, 2024

Page 10 of 25

RESULTS:

APPROPRIATE AGE GRADE DETERMINATION

The Appropriate Age Grade is determined with reference to the BS EN71 : Part 1 : 2014+A1:2018, CEN ISO/TR 8124-8:2016 Safety of toys - Part 8: Age determination guidelines prepared by Technical Committee CEN/TC 52 and

Age Grade Determination Guidelines of the Consumer Product Safety Commission (CPSC).

Note : The most stringent age grade from the Labeled Age Grade and the Appropriate Age Grade will be used for testing.

Note : If the client does not specify an age grade for testing or request Bureau Veritas Consumer Products Services, Inc. to determine an appropriate age grade, the labeled age grade will be used for testing.

EXPLANATION OF THE ABBREVIATIONS FOR PART 1, 2 & 6

Symbol	Explanation				
NM	The sample(s) DOES NOT MEET the requirement of this Subclause				
M	The sample(s) MEET the requirement of this Subclause				
N/A	Not Applicable				
NR	Not Requested				
NE	Not Evaluated				
NP	None Present				
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P	Present				
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Symbol	Language Present	Symbol	Language Present	Symbol	Language Present
B	Belgian language	G	German language	PR	Portuguese language
D	Danish language	GR	Greek language	S	Spanish language
E	English language	H	Dutch language	SD	Swedish language
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SHANTOUSHI CHENGHAU WENSHENG PLASTIC TOYS INDUSTRY CO.,LTD

Technical Report: **(8824)114-0013**

May 14, 2024

Page 11 of 25

RESULTS:

**MECHANICAL & PHYSICAL PROPERTIES
(BS EN 71: PART 1 – 2014+A1 – 2018)**

Subclause	Requirement	Result
4.1	Material cleanliness	M
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy Bags	NA
4.5	Glass	M
4.6	Expanding materials	NA
4.7 & 7.6	Edges	M
4.8 & 7.6	Points and metallic wires	M
4.8e	Splinters	M
4.9	Protruding parts	M
4.10.1	Folding and sliding mechanisms	NA
4.10.2	Driving mechanisms	M
4.10.3	Hinges	NA
4.10.4	Springs	NA
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12 & 7.3	Balloons	NA
4.13 & 7.9	Cord of toy kites and other flying toys	NA
4.14.1	Toys which a child can enter	NA
4.14.2 & 7.8	Masks and helmets	NA
4.15.1	Toys propelled by child	
4.15.1.2 & 7.10.1 & 7.10.2 & 7.10.3 & 7.10.4 & 7.16	Toys propelled by child – Instructions for use	NA
4.15.1.3	Toys propelled by child – Strength	NA
4.15.1.4	Toys propelled by child – Stability	NA
4.15.1.5	Toys propelled by child – Braking	NA
4.15.1.6	Toys propelled by child - Transmission	NA
4.15.1.7	Toys propelled by child – insertion mark	NA
4.15.1.8	Electrically-driven ride-on toys	NA
4.15.2	Toy bicycles	
4.15.2.2 & 7.15	Toy bicycles – Warnings and instructions for use	NA
4.15.2.3	Toy bicycles – Braking	NA
4.15.3 & 7.16 & 7.19	Rocking horses and similar toys	NA
4.15.4 & 7.16	Toys not propelled by child	NA
4.15.5 & 7.18	Toy scooters	NA



SHANTOUSHI CHENGHAU WENSHENG PLASTIC TOYS INDUSTRY CO.,LTD

Technical Report: **(8824)114-0013**

May 14, 2024

Page 12 of 25

RESULTS:

Subclause	Requirement	Result
4.16	Heavy immobile toys	NA
4.17.2	All projectiles	M
4.17.3 & 7.7	Projectile toys with stored energy	NA
4.17.4 & 7.26	Certain projectiles toys without stored energy	NA
4.18 & 7.4	Aquatic toys and inflatable toys	NA
4.19 & 7.13 & 7.14	Percussion caps	NA
4.20.2.1- 4.20.2.4, 4.20.2.6-4.20.2.12 & 7.14	Acoustics	M
*4.20.2.5	Acoustics– Toys using headphones or earphones	NA
4.21	Toys containing a non-electrical heat source	NA
4.22 & 7.2	Small balls	M
4.23	Magnet	
4.23.2 a, b & c	Toy other than magnetic / electrical experimental sets intended for children over 8 years	NA
4.23.3 & 7.20	Magnetic / electrical experimental sets intended for children over 8 years	NA
4.24	Yo-yo ball	NA
4.25	Toys attached to food	NA
4.26	Toy Disguise Costumes	NA
4.27.1	Flying toys – General	NA
4.27.2 & 7.25.1	Rotors and propellers on flying toys	NA
4.27.3 & 7.25.2	Rotors and propellers on remote controlled flying toys	NA
FOR TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS		
5.1	General	NA
5.1a	Small parts – as received	NA
5.1b	Small parts, sharp points, sharp edges – after tests	NA
5.1c	Cross section <2mm metal points & wires	NA
5.1e	Toys contain glue	NA
5.1f	Casing of toys	NA
5.2	Fillings, coverings and seams	NA
5.3	Adhesion of plastic sheeting	NA
5.4.2	Cords and chains in toys intended for children under 18 months	NA



SHANTOUSHI CHENGHAICU WENSHENG PLASTIC TOYS INDUSTRY CO.,LTD

Technical Report: **(8824)114-0013**

May 14, 2024

Page 13 of 25

RESULTS:

Subclause	Requirement	Result
5.4.3 & 7.22	Cords and chains in toys intended for children of 18 months or over but under 36 months	NA
5.4.4	Fixed loops, tangled loops and nooses	NA
5.4.5	Cords and chains on pull along toys	NA
5.4.6 & 7.21	Electrical cables	NA
5.4.7	Cross-sectional dimension of certain cords	NA
5.4.8	Self-retracting cords	NA
5.4.9 & 7.11 & 7.23	Toys attached to or intended to be strung across a cradle, cot or perambulator	NA
5.5 & 7.12	Liquid filled toys	NA
5.6	Electrically driven toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size	NA
5.9 & 7.17	Monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15 & 7.24	Sledges with cords for pulling	NA
6	Packaging	M
WARNINGS, INSTRUCTIONS FOR USE		
7.1	General	M
7.2	Toys not intended for children under 36 months	M
7.5	Functional toys	NA

UKCA Marking and Company name and UK address Labeling

Requirement	Result
UKCA Marking	M
Company name and UK address	M
Product Identification	M

M = Meet NM = Not Meet N/A = Not Applicable R = Refer to Comment Section NT=Not Test

Remark:

UKCA Marking and Company name and UK address labeling content are not accredited by CNAS.



SHANTOUSHI CHENGHAIRU WENSHENG PLASTIC TOYS INDUSTRY CO.,LTD

Technical Report: **(8824)114-0013**

May 14, 2024

Page 14 of 25

RESULTS:

REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 1

Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method
4.3	8.25.1	4.15.1.5	8.26.1	4.22	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.32	5.4.5	8.40
4.5	8.5, 8.7, 8.11, 8.12	4.15.1.8	8.29	4.23	8.2, 8.3, 8.4.2.1, 8.4.2.2, 8.5, 8.6, 8.7, 8.8, 8.34, 8.35	5.4.6	8.40
4.6	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.14	4.15.2.4	8.26.2	4.24	8.37	5.4.7	8.20
4.7	8.11	4.15.3	8.21, 8.23.1	4.25	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32.1	5.7.8	8.39
4.8	8.12, 8.13	4.15.4	8.21, 8.23.1	4.26	8.38	5.5	8.15
4.9	8.4.2.3, 8.11, 8.12	4.15.5	8.11, 8.12, 8.21, 8.22, 8.26.3, 8.27	4.27.1	8.43	5.6	8.29
4.10.1	8.18.2, 8.18.3	4.16	8.23.2	4.27.2	8.4.2.6	5.8	8.16
4.10.2	8.5, 8.6, 8.7, 8.11, 8.12	4.17.1	8.3, 8.4.2.1, 8.7, 8.8, 8.42	4.27.3	8.4.2.6	5.10	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9, 8.32
4.11	8.2, 8.3, 8.4.2.1, 8.9, 8.17	4.17.2	8.3, 8.4.2.4, 8.7, 8.8, 8.32.1, 8.43, 8.44	5.1	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.9, 8.11, 8.12	5.11	8.33
4.13	8.19	4.17.3	8.3, 8.4.2.3, 8.4.2.5, 8.11, 8.12, 8.24, 8.42	5.3	8.4.2.1, 8.25	5.12	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9,
4.14.1	8.31.1, 8.31.2	4.17.4	8.3, 8.4.2.3, 8.4.2.5, 8.11, 8.12, 8.24, 8.42	5.4.1	8.40	5.13	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32
4.14.2	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.11, 8.12	4.18	8.2, 8.3, 8.4.2.1	5.4.2	8.38, 8.40, 8.41	5.14	8.38
4.15.1.3	8.11, 8.12, 8.21, 8.22	4.20	8.28	5.4.3	8.38, 8.40, 8.41	6	8.3, 8.4.2.1, 8.25.1, 8.32.1
4.15.1.4	8.23.1	4.21	8.30	5.4.4	8.36, 8.38		



SHANTOUSHI CHENGHAU WENSHENG PLASTIC TOYS INDUSTRY CO.,LTD

Technical Report: **(8824)114-0013**

May 14, 2024

Page 15 of 25

RESULTS:

FLAMMABILITY (BS EN 71 PART 2: 2020)

Subclause	Requirement	Result
4.1	Cellulose nitrate	NP
4.1	Highly flammable solids	NP
4.1	Surface flash on a piled surface	M
*4.1	Flammable gases	NA
*4.1	Extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels	NA
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by child in play	NA
4.3	warning on product and packaging (10 - 30 mm/s)	NA
4.4	Toys intended to be entered by child	NA
4.4	warning on product and packaging (10 – 30 mm/s)	NA
4.5	Soft-filled toys	NA

REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 2

Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method
4.2.2	5.2	4.2.4	5.3	4.3	5.4	4.5	5.5
4.2.3	5.3	4.2.5	5.4	4.4	5.4	-	-

* Note: Subclause indicated with * are not accredited.

M = Meet NM = Not Meet N/A = Not Applicable R = Refer to Comment Section
P = Present NP = Not Present



SHANTOUSHI CHENGHAICU WENSHENG PLASTIC TOYS INDUSTRY CO.,LTD

Technical Report: **(8824)114-0013**

May 14, 2024

Page 16 of 25

RESULTS:

Migration of Certain Elements, EN 71-3:2019+A1:2021

Test Method: European Standard EN 71-3:2019+A1:2021 Section 8.

Class: Category III - Scraped off toy material

Analyte	Requirement (mg/kg)	Result (mg/kg)					
		Test Item(s)					
		I002	I003	I004	I005	I006	I007
Aluminum (Al)	28130	110	26	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND	ND	ND
Barium (Ba)	18750	ND	7	ND	ND	ND	2
Cadmium (Cd)	17	ND	ND	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND#	ND#	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND	ND	ND
Lead (Pb)	23	3	ND	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND	ND	ND
Tin (Sn)	180000	2	3	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND	ND	ND
Zinc (Zn)	46000	6	28	ND	ND	ND	4
Mass of trace amount (gram)		0.0269	0.0584	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS	PASS	PASS



SHANTOUSHI CHENGHAICU WENSHENG PLASTIC TOYS INDUSTRY CO.,LTD

Technical Report: **(8824)114-0013**

May 14, 2024

Page 17 of 25

RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)					
		Test Item(s)					
	Category III	I008	I009	I010	I011	I012	I013
Aluminum (Al)	28130	ND	ND	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS	PASS	PASS



SHANTOUSHI CHENGHAU WENSHENG PLASTIC TOYS INDUSTRY CO.,LTD

Technical Report: **(8824)114-0013**

May 14, 2024

Page 18 of 25

RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)					
		Test Item(s)					
	Category III	I014	I015	I016	I017	I018	I019
Aluminum (Al)	28130	ND	ND	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND	3	ND
Mass of trace amount (gram)		-	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS	PASS	PASS



SHANTOUSHI CHENGHAU WENSHENG PLASTIC TOYS INDUSTRY CO.,LTD

Technical Report: **(8824)114-0013**

May 14, 2024

Page 19 of 25

RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)					
		Test Item(s)					
	Category III	I020	I021	I022	I023	I024	I025
Aluminum (Al)	28130	4	3	ND	3	200	16
Arsenic (As)	47	ND	ND	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND	3	2
Cadmium (Cd)	17	ND	ND	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND	ND	ND#
Copper (Cu)	7700	3	ND	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND	4	15
Nickel (Ni)	930	ND	ND	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND	ND	ND
Tin (Sn)	180000	6	5	ND	ND	ND	ND
Organic tin	12	ND#	ND#	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND	11	54
Zinc (Zn)	46000	ND	3	ND	64	2	2
Mass of trace amount (gram)		-	0.0775	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS	PASS	PASS

mg/kg = milligrams per kilogram (ppm=parts per million)

Organic tin = migration of total organic tin is expressed as tributyltin cation content in mg/kg

= Verified results (see note)

ND = Not detected

Detection Limit (mg/kg) :

Category III - Al : 2 ; Sb : 2 ; As : 2 ; Ba : 2 ; B : 2 ; Cd : 2 ; Cr III : 0.15 ; Cr VI : 0.025 ; Co : 2 ; Cu : 2 ; Pb : 2 ; Mn : 2 ; Hg : 2 ; Ni : 2 ; Se : 2 ; Sr : 2 ; Sn : 2 ; Organic tin : 2 ; Zn : 2

Remark:

- Results of Cr III and Cr VI were reported as sum of soluble Chromium content unless specified.
- Result(s) of organic tin was (were) calculated while assuming the tin content wholly contributed from tributyltin cation unless specified.
- The pH measured shall be reported after migration if it was outside the range of 1.1 to 1.3.

Note:

If soluble chromium content or soluble tin content exceeded the screening limits of soluble chromium (VI) or organic tin content, the results were verified by below method

- Chromium VI: EN 71-3:2019+A1:2021, Annex F by Ion-chromatography with ICP-MS detector analysis.
- Organic tin: EN 71-3:2019+A1:2021, Annex G by Gas Chromatography-Mass Spectroscopy analysis.



SHANTOUSHI CHENGHAICU WENSHENG PLASTIC TOYS INDUSTRY CO.,LTD

Technical Report: **(8824)114-0013**

May 14, 2024

Page 20 of 25

RESULTS:

Migration of Certain Elements, BS EN 71-3:2019+A1:2021

Test Method: British Standard BS EN 71-3:2019+A1:2021 Section 8.

Class: Category III - Scraped off toy material

Analyte	Requirement (mg/kg)	Result (mg/kg)					
		Test Item(s)					
	Category III	I002	I003	I004	I005	I006	I007
Aluminum (Al)	28130	110	26	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND	ND	ND
Barium (Ba)	18750	ND	7	ND	ND	ND	2
Cadmium (Cd)	17	ND	ND	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND#	ND#	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND	ND	ND
Lead (Pb)	23	3	ND	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND	ND	ND
Tin (Sn)	180000	2	3	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND	ND	ND
Zinc (Zn)	46000	6	28	ND	ND	ND	4
Mass of trace amount (gram)		0.0269	0.0584	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS	PASS	PASS



SHANTOUSHI CHENGHAICU WENSHENG PLASTIC TOYS INDUSTRY CO.,LTD

Technical Report: **(8824)114-0013**

May 14, 2024

Page 21 of 25

RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)					
		Test Item(s)					
	Category III	I008	I009	I010	I011	I012	I013
Aluminum (Al)	28130	ND	ND	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS	PASS	PASS



SHANTOUSHI CHENGHAU WENSHENG PLASTIC TOYS INDUSTRY CO.,LTD

Technical Report: **(8824)114-0013**

May 14, 2024

Page 22 of 25

RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)					
		Test Item(s)					
	Category III	I014	I015	I016	I017	I018	I019
Aluminum (Al)	28130	ND	ND	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND	3	ND
Mass of trace amount (gram)		-	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS	PASS	PASS



SHANTOUSHI CHENGHAU WENSHENG PLASTIC TOYS INDUSTRY CO.,LTD

Technical Report: **(8824)114-0013**

May 14, 2024

Page 23 of 25

RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)					
		Test Item(s)					
	Category III	I020	I021	I022	I023	I024	I025
Aluminum (Al)	28130	4	3	ND	3	200	16
Arsenic (As)	47	ND	ND	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND	3	2
Cadmium (Cd)	17	ND	ND	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND	ND	ND#
Copper (Cu)	7700	3	ND	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND	4	15
Nickel (Ni)	930	ND	ND	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND	ND	ND
Selenium (Se)	460	ND	ND	ND	ND	ND	ND
Tin (Sn)	180000	6	5	ND	ND	ND	ND
Organic tin	12	ND#	ND#	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND	11	54
Zinc (Zn)	46000	ND	3	ND	64	2	2
Mass of trace amount (gram)		-	0.0775	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS	PASS	PASS

mg/kg = milligrams per kilogram (ppm=parts per million)

Organic tin = migration of total organic tin is expressed as tributyltin cation content in mg/kg

= Verified results (see note)

ND = Not detected

Detection Limit (mg/kg) :

Category III - Al : 2 ; Sb : 2 ; As : 2 ; Ba : 2 ; B : 2 ; Cd : 2 ; Cr III : 0.15 ; Cr VI : 0.025 ; Co : 2 ; Cu : 2 ; Pb : 2 ; Mn : 2 ; Hg : 2 ; Ni : 2 ; Se : 2 ; Sr : 2 ; Sn : 2 ; Organic tin : 2 ; Zn : 2

Remark:

- Results of Cr III and Cr VI were reported as sum of soluble Chromium content unless specified.
- Result(s) of organic tin was (were) calculated while assuming the tin content wholly contributed from tributyltin cation unless specified.
- The pH measured shall be reported after migration if it was outside the range of 1.1 to 1.3.

Note:

If soluble chromium content or soluble tin content exceeded the screening limits of soluble chromium (VI) or organic tin content, the results were verified by below method

- Chromium VI: BS EN 71-3:2019+A1:2021, Annex F by Ion-chromatography with ICP-MS detector analysis.
- Organic tin: BS EN 71-3:2019+A1:2021, Annex G by Gas Chromatography-Mass Spectroscopy analysis.



Page 24 of 25

RESULTS:



END OF REPORT