



中国认可
国际互认
检测
TESTING
CNAS L2929

Test Report

No.: T52410300021XM

Date: JUL 17, 2024

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SHANTOU JINJIA TOYS CO.,LTD

GOUDONG YONGXIN INDUSTRIAL

AREA,LIANSHANG,CHENGHAI,SHANTOU,GUANGDONG,CHINA

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

INERTIAL CAR

Item No. : 666-66F, 666-67F, 666-68F, 666-69F, 666-70F, 666-71F,
666-72F, 666-73F, 666-69P, 666-70P, 666-71P, 666-72P,
666-73P, 666-74P, 666-75P, 666-76P, 666-77P,
666-78P, 666-79P, 666-01P, 666-02P, 666-03P,
666-05P, 666-06P, 666-08P, 666-09P, 666-10P,
666-11P, 666-12P, 666-13P, 666-18P, 666-19P,
666-22P, 666-23P, 666-25P, 666-26P, 666-28P,
666-29P, 666-30P, 666-38P, 666-01Q, 666-02Q,
666-03Q, 666-05Q, 666-01QA, 666-18PA, 666-18PB,
666-06Q, 666-110A, 666-19A-2, 666-100A-1, 666-101,
666-51A, 666-25C, 666-88, 666-62F-1, 666-62D,
666-56J, 666-15A, 666-11A, 666-39A, 666-35A, 666-08J,
666-19A, 666-15B, 666-23B, 666-58B, 666-06H,
666-06K, 666-65B, 666-01K, 666-02K, 666-03K,
666-08K, 666-09K, 666-11K, 666-12K, 666-13K,
666-11Q, NCR20351

Labeled Age Grading : 3+

Requested Age Grading : 3+

Age Group Assessed by SGS As Per Age : OVER 3 YEARS

Guideline

Age Group Applied in Testing : OVER 3 YEARS

Sample Receiving Date : JUN 03, 2024

Last Submission Sample Date : JUL 12, 2024

Testing Period : JUN 03, 2024 TO JUL 17, 2024



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Selected test(s) as requested by the client, please refer to test result page(s) for details:

Test Requested	Conclusion
1. With reference to test requirement of the Physical & Mechanical, Flammability test requirement of Title 16, Code of Federal Regulations, Chapter II – Consumer Products Safety Commission of U.S.A	--
Physical and mechanical tests consisting US CPSC 16 CFR 1500.48, US CPSC 16 CFR 1500.49 and US CPSC 16 CFR 1501: -US CPSC 16 CFR 1500.48 – Technical requirements for determining a sharp point in toys and other articles intended for use by children under 8 years of ages -US CPSC 16 CFR 1500.49 – Technical requirements for determining a sharp metal or glass edge in toys and other articles intended for use by children under 8 years of age -US CPSC 16 CFR 1501 – Method for identifying toys and other articles intended for use by children under 3 years of age which present choking, aspiration, or ingestion hazards because of small parts	PASS
US CPSC 16 CFR 1500.19 – Misbranded toys and other articles intended for use by children (Not misbranded toys or articles intended for use by children)	PASS#
US CPSC 16 CFR 1500.44 – Method for determining extremely flammable and flammable solids	PASS



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Test Requested		Conclusion
2.	With reference to the test requirement of ASTM F963-23 Standard Consumer Safety Specification on Toy Safety.	--
	ASTM F963-23 Standard Consumer Safety Specification for Toy Safety	PASS
3.	Part 1303, Title 16, Code of Federal Regulations, Chapter II - Consumer Products Safety Commission of U.S.A.-Lead in paint/similar surface coating material	PASS

Remark : #The result indicated was based on re-testing on new sample submitted by applicant.

***** 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

Sun Enxu, Aaron
Dept. Manager
CNAS Approved Signatories

Qu Ping Kiky
Dept. Manager
CNAS Approved Signatories



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Results:

US CPSC

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 sample tested</u>	<u>Sharp point (16 CFR 1500.48)</u>	<u>Sharp edge (16 CFR 1500.49)</u>	<u>Small part (16 CFR 1501)</u>
As received	61	Pass	Pass	N/A
Impact test (16 CFR 1500.53b)	61	Pass	Pass	N/A
Bite test (16 CFR 1500.52c)	61	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)	61	Pass	Pass	N/A
Tension test (16 CFR 1500.53f)	61	Pass	Pass	N/A
Compression test (16 CFR 1500.53g)	28	Pass	Pass	N/A

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

AS SPECIFIED IN US CPSC 16 CFR 1500.19 – MISBRANDED TOYS AND OTHER ARTICLES INTENDED FOR USE BY CHILDREN

Appropriate warning according to 16 CFR 1500.19 was found on the principle display panel of the product's packaging.



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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	Burning Rate (inch/sec)
See sample description	0.03

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.

ASTM F963-23 STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY

AS SPECIFIED IN ASTM F963-23 STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY

Clauses relevant to the item:

Clause	Description	Result
4	Safety Requirements	
4.1	Material Quality **	PASS
4.2	Flammability Test	PASS (See Result Page)
4.3	Toxicology	
4.3.2	Manufacturing and Packaging of Food	N/A
4.3.3	Indirect Food Additives	N/A
4.3.4	Cosmetics	N/A
4.3.5	Heavy Elements	
4.3.5.1	Heavy Elements in Paint/Similar Surface Coating Materials	PASS (See Result Page)
4.3.5.2	Heavy Metal in Substrate Materials	PASS (See Result Page)
4.3.6	Cosmetic, Liquids, Pastes, Putties, Gels, Powders and Item of Avian Feather Origin	N/A
4.3.7	Stuffing Materials	N/A
4.3.8	Phthalates	PASS (See Result Page)
4.4	Electrical/Thermal Energy	N/A



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Clause	Description	Result
4.5	Sound-producing Toys	PASS
4.6.1	Small Objects	N/A
4.6.2	Mouth-actuated Toys	N/A
4.6.3	Labelling Requirements	PASS [#]
4.7	Accessible Edges	PASS
4.8	Projections	PASS
4.9	Accessible Points	PASS
4.10	Wires or Rods	N/A
4.11	Nails and Fasteners	PASS
4.12	Plastic Film	PASS [#]
4.13.1	Folding Mechanisms	N/A
4.13.2	Hinge-line Clearance	N/A (See Remark)
	Remark: Not applicable because of the weight of movable part link with hinge is less than 0.5lb.	
4.14	Cords, Straps and Elastic	N/A
4.15	Stability and Over-load Requirements	N/A
4.16	Confined Spaces	N/A
4.17	Wheels, Tires, and Axles	PASS
4.18	Holes, Clearance & Accessibility of Mechanisms	PASS
4.19	Simulated Protective Devices	N/A
4.20	Pacifiers	N/A
4.21	Projectile Toys	N/A
4.22	Teethers and Teething Toys	N/A
4.23	Rattles	N/A
4.24	Squeeze Toys	N/A
4.25	Battery-operated Toys (Rechargeable battery/Non-rechargeable battery)	PASS [*]
	* This test was only conducted on specific product(s) (see sample pictures for details) as per client's request.	
4.26	Toys Intended to be Attached to a Crib or Playpen	N/A
4.27	Stuffed and Beanbag-Type Toys	N/A
4.28	Stroller and Carriage Toys	N/A
4.29	Art Materials	N/A
4.30	Toy Gun Marking	N/A
4.31	Balloons	N/A
4.32	Certain Toys and Nearly Spherical Ends	N/A



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Clause	Description	Result
4.33	Marbles	N/A
4.34	Balls	N/A
4.35	Pompoms	N/A
4.36	Hemispheric-shaped Objects	N/A
4.37	Yo Yo Elastic Tether Toys	N/A
4.38	Magnets	N/A
4.39	Jaw Entrapment in Handles and Steering Wheels	N/A
4.40	Expanding Materials	N/A
4.41	Toy Chest	N/A
5	Labeling Requirements	
5.1	Federal Government Requirements	
5.1.1	Specific Labeling Requirement	See Remark
	(Remark: All toys that fall within the definitions and requirements of the U.S. FHSA shall conform to the labeling requirement of that act. For specific requirements, reference 16 CFR 1500.3, 1500.14, 1500.19, 1500.82, 1500.83, 1500.86, 1500.121, 1500.122, 1500.123, 1500.125, 1500.126, 1500.127, 1500.128, 1500.130, 1505.3, and 1511.7. In addition, state labeling requirements may exist.)	
5.1.2	Tracking Label	PASS
5.2	Age Grading Labeling	PASS
5.3	Safety Labeling Requirements	PASS
5.4	Aquatic Toys	N/A
5.5	Crib & Playpen Toys	N/A
5.6	Mobile	N/A
5.7	Stroller and Carriage Toys	N/A
5.8	Toys Intended to be Assembled by an Adult	N/A
5.9	Simulated Protective Devices	N/A
5.10	Toys with Functional Sharp Edges and Sharp Points	N/A
5.11	Small Objects, Small Balls, Marbles, and Balloons	PASS [#]
5.12	Art Materials	N/A
5.13	Electric Toys	N/A
5.14	Battery-operated Toys	N/A
5.15	Promotional Materials	PASS
5.16	Magnets	N/A
6	Instructional Literature	
6.2	Crib & Playpen Toys	N/A
6.3	Mobiles	N/A



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Clause	Description	Result
6.4	Toys Intended to be Assembled by an Adult	N/A
6.5	Battery-operated Toys	PASS
6.6	Battery-powered Ride-on Toys	N/A
6.7	Toys in Contact with Food	N/A
6.8	Toy Chests	N/A
6.9	The instructional material for toys which require a manufacturer-supplied specialty or custom tool to access the battery(ies)	N/A
7	Producer's Markings	
7.1	Producer's Markings	PASS
7.2	Battery-powered Ride-on Toys	N/A
7.3	Toy Chests	N/A
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	PASS
8.12	Flexure Test	N/A
8.16	Tension Test for Pompoms	N/A

Result Page:

Flammability Test (Clause 4.2)

Flammability Test on Solid

Sample	Burning Rate (inch/sec)
See sample description	0.03

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.



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Chemical Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	XMN24-0010234-0001.C001	Black plastic (Base)
SN2	A2	XMN24-0010234-0001.C002	Grey plastic
SN3	A3	XMN24-0010234-0001.C003	Yellow plastic
SN4	A4	XMN24-0010234-0001.C004	Blue plastic
SN5	A5	XMN24-0010234-0001.C005	Transparent white plastic
SN6	A6	XMN24-0010234-0001.C006	Light blue plastic
SN7	A7	XMN24-0010234-0001.C007	White plastic
SN8	A8	XMN24-0010234-0001.C008	Black plastic
SN9	A9	XMN24-0010234-0001.C009	Grey soft plastic (Key)
SN10	A10	XMN24-0010234-0001.C010	Transparent blue plastic
SN11	A11	XMN24-0010234-0001.C011	Transparent plastic
SN12	A12	XMN24-0010234-0001.C012	Orange plastic
SN13	A14	XMN24-0010234-0001.C014	Blue coating on plastic
SN14	A15	XMN24-0010234-0001.C015	Red coating on plastic
SN15	A16	XMN24-0010234-0001.C016	Red plastic
SN16	A17	XMN24-0010234-0001.C017	Black soft plastic (Wheel)
SN17	A18	XMN24-0010234-0001.C018	Army green plastic
SN18	A19	XMN24-0010234-0001.C019	Green plastic
SN19	A20	XMN24-0010234-0001.C020	Laminated white paper label w/ multi-color printing
SN20	A21	XMN24-0010234-0001.C021	Black dry paint
SN21	A9+A17	XMN24-0010234-0002	Grey soft plastic (Key) + Black soft plastic (Wheel)
SN22	A3+A4+A18	XMN24-0010234-0003	Yellow plastic + Blue plastic + Army green plastic
SN23	A7+A8+A20	XMN24-0010234-0004	White plastic + Black plastic + Laminated white paper label w/ multi-color printing
SN24	A2+A11+A12	XMN24-0010234-0005	Grey plastic + Transparent plastic + Orange plastic

Remarks:

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



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ASTM F963-23, Clause 4.3.5.1 – Total Lead in Paint and Similar Surface-coating Materials

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

Test Item(s)	Limit	Unit(s)	MDL	A14	A15	A21
Total Lead (Pb)	90	mg/kg	20	ND	ND	ND
Conclusion				Pass	Pass	Pass

ASTM F963-23, Clause 4.3.5.2 – Total Lead in Substrate Materials

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

Test Item(s)	Limit	Unit(s)	MDL	A1	A2	A3
Total Lead (Pb)	100	mg/kg	20	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A4	A5	A6
Total Lead (Pb)	100	mg/kg	20	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A7	A8	A9
Total Lead (Pb)	100	mg/kg	20	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A10	A11	A12
Total Lead (Pb)	100	mg/kg	20	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A16	A17	A18
Total Lead (Pb)	100	mg/kg	20	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A19	A20
Total Lead (Pb)	100	mg/kg	20	ND	ND
Conclusion				Pass	Pass



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ASTM F963-23, Clause 4.3.5 – Soluble Heavy Metal Content

Test Method: With reference to ASTM F 963-23 (Clause 8.3), analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A1	A2	A3
Soluble Mercury(Hg)	60	mg/kg	5	ND	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND	ND	ND
Soluble Barium(Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND	ND	ND
Soluble Lead(Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	60	mg/kg	5	ND	ND	ND
Soluble Selenium(Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A4	A5	A6
Soluble Mercury(Hg)	60	mg/kg	5	ND	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND	ND	ND
Soluble Barium(Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND	ND	ND
Soluble Lead(Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	60	mg/kg	5	ND	ND	ND
Soluble Selenium(Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A7	A8	A9
Soluble Mercury(Hg)	60	mg/kg	5	ND	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND	ND	ND
Soluble Barium(Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND	ND	ND
Soluble Lead(Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	60	mg/kg	5	ND	ND	ND
Soluble Selenium(Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass



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Test Item(s)	Limit	Unit(s)	MDL	A10	A11	A12
Soluble Mercury(Hg)	60	mg/kg	5	ND	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND	ND	ND
Soluble Barium(Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND	ND	ND
Soluble Lead(Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	60	mg/kg	5	ND	ND	ND
Soluble Selenium(Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A13	A14	A15
Soluble Mercury(Hg)	60	mg/kg	5	ND	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND	ND	ND
Soluble Barium(Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND	ND	ND
Soluble Lead(Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	60	mg/kg	5	ND	ND	ND
Soluble Selenium(Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass

Test Item(s)	Limit	Unit(s)	MDL	A16	A17	A18
Soluble Mercury(Hg)	60	mg/kg	5	ND	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND	ND	ND
Soluble Barium(Ba)	1000	mg/kg	10	ND	ND	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND	ND	ND
Soluble Lead(Pb)	90	mg/kg	5	ND	ND	ND
Soluble Antimony(Sb)	60	mg/kg	5	ND	ND	ND
Soluble Selenium(Se)	500	mg/kg	10	ND	ND	ND
Conclusion				Pass	Pass	Pass



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Test Item(s)	Limit	Unit(s)	MDL	A19	A20
Soluble Mercury(Hg)	60	mg/kg	5	ND	ND
Soluble Chromium(Cr)	60	mg/kg	5	ND	ND
Soluble Cadmium(Cd)	75	mg/kg	5	ND	ND
Soluble Barium(Ba)	1000	mg/kg	10	ND	ND
Soluble Arsenic(As)	25	mg/kg	2.5	ND	ND
Soluble Lead(Pb)	90	mg/kg	5	ND	ND
Soluble Antimony(Sb)	60	mg/kg	5	ND	ND
Soluble Selenium(Se)	500	mg/kg	10	ND	ND
Conclusion				Pass	Pass

Notes:

- (1) Results shown are of the adjusted analytical results.
- (2) Mass of trace amount of sample A13 is 0.0327g.

ASTM F963-23, Clause 4.3.8 – Phthalates

Test Method: With reference to CPSC-CH-C1001-09.4, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A9+A17	A3+A4+A 18	A7+A8+A 20
Di-butyl Phthalate (DBP)	84-74-2	0.1	%	0.005	ND	ND	ND
Di-2-Ethyl Hexyl Phthalate (DEHP)	117-81-7	0.1	%	0.005	ND	ND	ND
Benzyl Butyl Phthalate (BBP)	85-68-7	0.1	%	0.005	ND	ND	ND
Diisononyl Phthalate (DINP)	28553-12-0 /68515-48-0	0.1	%	0.005	ND	ND	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%	0.005	ND	ND	ND
Dipentyl Phthalate (DPENP)	131-18-0	0.1	%	0.005	ND	ND	ND
Dihexyl Phthalate (DHEXP/ DnHP)	84-75-3	0.1	%	0.005	ND	ND	ND
Dicyclohexyl Phthalate (DCHP)	84-61-7	0.1	%	0.005	ND	ND	ND
Conclusion					Pass	Pass	Pass



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Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A2+A11+ A12
Di-butyl Phthalate (DBP)	84-74-2	0.1	%	0.005	ND
Di-2-Ethyl Hexyl Phthalate (DEHP)	117-81-7	0.1	%	0.005	ND
Benzyl Butyl Phthalate (BBP)	85-68-7	0.1	%	0.005	ND
Diisononyl Phthalate (DINP)	28553-12-0 /68515-48-0	0.1	%	0.005	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%	0.005	ND
Dipentyl Phthalate (DPENP)	131-18-0	0.1	%	0.005	ND
Dihexyl Phthalate (DHEXP/ DnHP)	84-75-3	0.1	%	0.005	ND
Dicyclohexyl Phthalate (DCHP)	84-61-7	0.1	%	0.005	ND
Conclusion					Pass

Part 1303, Title 16, Code of Federal Regulations, Chapter II - Consumer Products Safety Commission of U.S.A.-Lead in paint/similar surface coating material

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

Test Item(s)	Limit	Unit(s)	MDL	A14	A15	A21
Lead(Pb)	0.009	%	0.0020	ND	ND	ND
Conclusion				Pass	Pass	Pass

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N/A = Not Applicable

** = Visual Examination

DNI = Did Not Ignite

SE = Self-Extinguishing

IBE = Ignite But Self-Extinguished

SE within 50mm = Self-extinguished within 50 mm of flame application



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2. 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.

Sample Picture (As received)

Pic.1



Pic.2



Pic.3



Pic.4



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Pic.5



Pic.6



Pic.7



Pic.8



Pic.9



Pic.10



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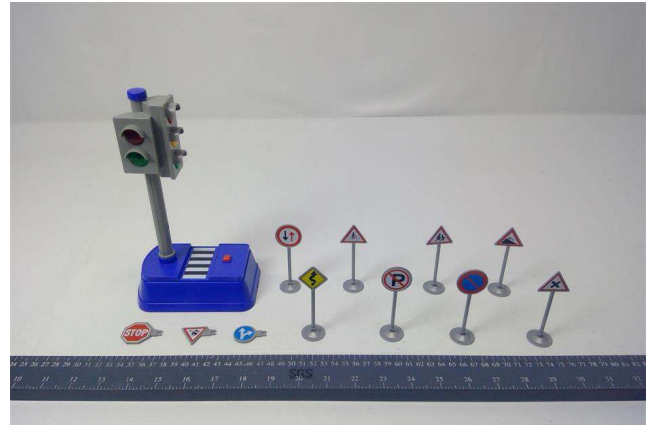
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Pic.11



Pic.12



Pic.13



Pic.14



Pic.15



Pic.16



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