



Test Report

No.: 70.452.25.40692.01

Date: 2026-01-09

Applicant: HEZE ZHONGRAN WOODWARE CO., LTD.
Address: EASTERN SIDE, SOUTHERN SECTION, JINXIN ROAD, ZHUANGZHAI TOWN, CAO COUNTY, HEZE CITY, SHANDONG PROVINCE
Product Name: Wood land View Playhouse
Model No.: 92033
Country of Origin: China
Labelled Age Range: 2 yrs+
Age range in testing As per client's request: Over 2 years
Age Group Assessed As per Age Guideline: Over 2 years
Receipt Date of Sample: 2025-12-02 & 2025-12-10 & 2025-12-22 & 2025-12-29
Date of Testing: 2025-12-02 ~ 2025-12-31
Sample Submitted: The sample(s) was (were) submitted by applicant and identified.
Test Result: Refer to the data listed in following pages

Test Item	Conclusion
1. ASTM F1148-24 Standard Consumer Safety Performance Specification for Home Playground Equipment	Pass
2. Age Grading Evaluation	See Result(s)
3. ASTM F963-23 Standard Consumer Safety Specification for Toy Safety - Physical, Mechanical and flammability test & Chemical Requirement	Pass
4. Physical & Mechanical - small part, sharp point, sharp edge	Pass
5. CPSC 16 CFR 1500.44 Flammability Test on Solid	Pass
6. Tracking label per Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products	Pass
7. ASTM F963-23 Section 4.3.5.1(1) - Total Lead Content Test (Paint and Similar Surface Coating Materials)	Pass
8. ASTM F963-23 Section 4.3.5.2 - Total Lead Content Test (Substrate Materials)	Pass
9. ASTM F963-23 Section 4.3.5 - Heavy Element (Soluble Heavy Element)	Pass
10. ASTM F963-23 Section 4.3.8 - Phthalates Content	Pass
11. Total Lead Content -16 CFR Part 1303, Lead of Paint	Pass
12. Consumer Product Safety Improvement Act (CPSIA) of 2008 Section 101 - Total Lead Content Test in paint/similar surface coating material	Pass
13. Consumer Product Safety Improvement Act (CPSIA) of 2008 Section 101 - Total Lead Content Test in substrate materials	Pass
14. 16 CFR Part 1307 amending CPSIA section 108, Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass

Remarks 1. MDL = Method Detection Limit
2. ND = Not Detected (<MDL)
3. <= Less than
4. 1 mg/kg = 1 ppm = 0.0001%



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TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch
Testing Center

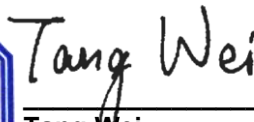
Prepared by:



Jenny Yao
Technical Engineer

Authorized by:





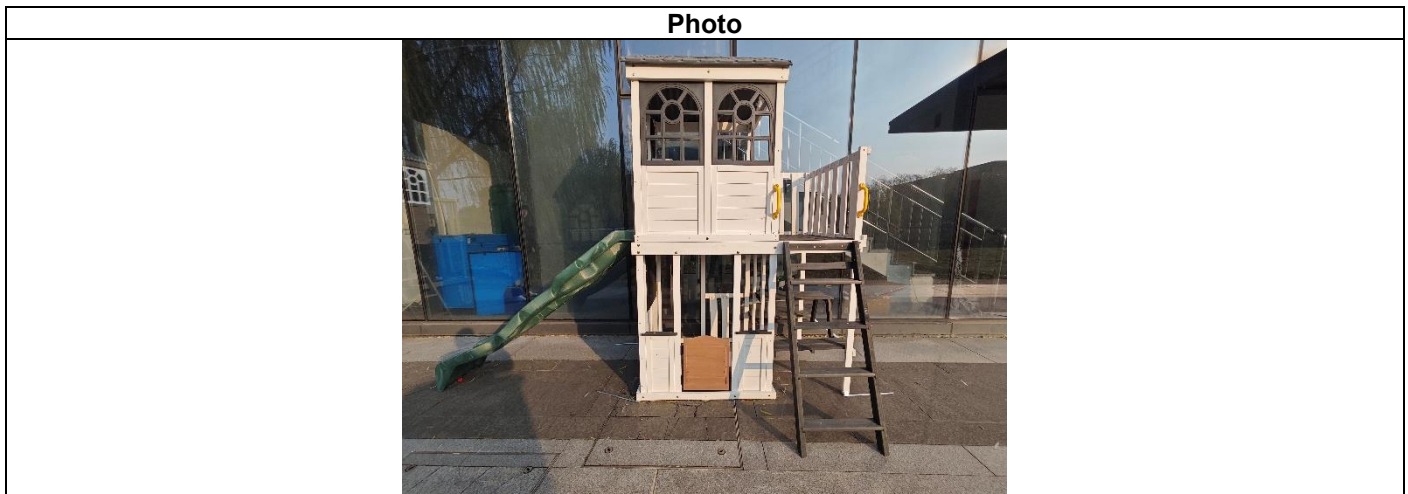
Tang Wei
Technical Manager

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Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as Fail.

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Description of Tested Subject:



Sample	Description
001	Black coating on wood. (ladder & floor & table & stool)
002	Yellowish-brown coating on wood. (door)
003	White coating on wood. (body)
004	Black coating on metal. (hinge)
005	Grey plastic. (roof)
006	Yellow plastic. (handle)
007	Green plastic. (children's slide)
008	White plastic. (roof)
009	Black plastic. (board & window)
010	Deep brown plastic. (door latch)
011	Light grey plastic. (faucet & kitchen ware)
012	Hoary plastic. (basin)
013	Dark grey plastic. (gas cooker)
014	Red plastic. (gas cooker switch)
015	Silvery color metal with golden color plating. (screw & nut & gasket)
016	Silvery color metal excluding coating. (hinge)
017	Silvery color metal. (door latch & connection)
018	Black magnet. (door latch)
019	Silvery color metal. (peg)



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Test Result(s):

1. STANDARD CONSUMER SAFETY PERFORMANCE SPECIFICATION FOR HOME PLAYGROUND EQUIPMENT

With reference to ASTM F1148-24 Standard Consumer Safety Performance Specification for Home Playground Equipment, the submitted sample was subjected to the following tests:

Number of Sample Tested: One (1) Set

Initial inspection: No any damage was found

Applicant's Specification:

-Age grade for testing:Over 2 years

-Maximum load capacity of single user:50kg

-Maximum total load capacity:450kg

Executive Summary:

Clause	Test items	Verdict
1	Scope.	-
2	Referenced Documents.	-
3	Terminology	-
4	Materials and Manufacture	-
4.1	General	P#1
4.1.3	Lead in Paint	P
5	General Requirements	-
5.1	Applicable to All Home Playground Equipment	P
5.2	Small part	NA
6	Performance Requirements	-
6.1	Head and Neck Entrapment	P
6.2	Acute Angles	P
6.3	Protrusions	P
6.4	Edges, Points, and Surfaces	P
6.5	Open Tubing	NA
6.6	Crush and Shear Points	P
6.7	Holes and Slots	NA
6.8	Hardware	P
6.9	Hooks	NA
6.10	Hand Support: Hand Gripping/Grasping Components	P
7	Requirements for Access	-
7.1	Rung Ladders, Stepladders and Stairways	P
7.2	Handrails	P
7.3	Guardrails and Protective Barriers	P
8	Equipment	-
8.1	Swings	NA
8.1.1	To-fro	NA
8.1.2	Hangers	NA
8.1.3	Minimum Ground Clearance	NA
8.1.4	Suspended Swinging Elements	NA
8.1.5	Lawn Swings	NA
8.1.6	Pendulum See-Saws	NA
8.1.7	Toddler Swings	NA
8.1.8	Swing Set Stability	NA
8.1.9	Spacing Between Adjacent Swing Elements	NA
8.1.10	Spacing Between Swing Elements and Stationary Frame Members	NA
8.1.11	Suspended Swinging Element Impact Attenuation Testing	NA
8.2	Slides	-



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Clause	Test items	Verdict
8.2.1	Slide Requirements	P
8.2.2	Stability of Free-Standing Slides	NA
8.2.3	Roller Slides	NA
8.3	Merry-Go-Rounds	NA
8.4	Ropes	NA
9	Equipment Layout	-
9.1	Play Structure Use Zone	P#2
10	Installation	-
10.1	Installation Instructions and Information	P
11	Structural Integrity	-
11.1.1	Handholds, Footholds, and Horizontal Supporting Members	P
11.1.2	Top Support Bar	P
11.1.3	Individual Suspended Units	NA
11.1.4	Slides	P
11.1.5	Rockers	NA
11.1.6	Merry-Go-Rounds	NA
11.1.7	Climbing Towers/Jungle Gyms	P
11.1.8	Platforms	P
11.1.9	Climbing Components	P
12	Maintenance Instructions	P
13	Labeling and signage	P
14	Information	-
14.1	Information on Manufacturer or Distributor	P
14.2	Information on Playground Surfacing Materials	P
14.3	Operating Instructions	P
14.4	Lawn swings warning	NA
15	Keywords	-

Abbreviation: P=Pass; NA=Not Applicable; F=Fail; NC = Not Conducted; NR = Not Requested

Remark:

#1=Client provided Guarantee Letter, the assessment of materials durability constructed was not verified in an outdoor setting.

#2=Client provided Guarantee Letter, the compliance with ASTM F1292 was not verified because the Play Structure Use Zone could not be evaluated in laboratory environment. It would be evaluated at where the equipment is actually assembled on. However, a specific surfacing guideline which based on "SECTION 4 OF the United States Consumer Product Safety Commission's (USCPSC) Outdoor Home Playground Safety Handbook" was included in the instruction manual to specifying the selection and assembly guide for protective surfacing.

2. Age Grading Evaluation

Test Item(s)	Test Method	Test Results
Age Grading Evaluation	Age grading is evaluation based on the function, and characteristics of the submitted sample with reference to the document:PD CEN ISO/TR 8124-8:2024-Safety of toys Part 8:Age determination-First age grade for the appropriate play of toys	Over 2 years

Abbreviation: P = Pass, NA = Not Applicable



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3. ASTM F963-23 Standard Consumer Safety Specification for Toy Safety - Physical, Mechanical and flammability test & Chemical Requirement

The submitted sample were undergone abuse tests as following:

Clause	Test	Numerical Value
8.5	Normal Use Testing	/
8.7	Impact test	4 x3ft & 3 times
8.8	Torque Test	4 in-lbs
8.9	Tension Test	15 lbs
8.10	Compression Test	30 lbs

Clause	Requirement	Evaluation
4	Safety Requirements	
4.1	Material quality	P
4.2	Flammability	P#1
4.3	Toxicology	
4.3.1	Hazardous Substances	NA
4.3.2	Manufacturing and Packaging of Food	NA
4.3.3	Indirect Food Additives	NA
4.3.4	Cosmetics	NA
4.3.5	Heavy Elements	
4.3.5.1	Paint and Similar Surface-coating Materials	P(See Test Item 7,9)
4.3.5.2	Toy Substrate Materials	P(See Test Item 8,9)
4.3.6	Cosmetics, Liquids, Pastes, Putties, Gels, Powders, and Items of Avian Feather Origin	NA
4.3.7	Stuffing materials	NA
4.3.8	Phthalates	P(See Test Item 10)
4.4	Electrical/Thermal Energy	NA
4.5	Sound-producing toys	P#2
4.6	Small Objects	P
4.6.1	Toys intended for children under 36 months of age	P
4.6.2	Mouth-actuated toys	NA
4.6.3	Toys and games for 36 months to 72 months	NA
4.7	Accessible edges	P
4.8	Projections	NA
4.9	Accessible points	P
4.10	Wires or rods	NA
4.11	Nails and fasteners	P
4.12	Plastic film	P#3



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4.13	Folding mechanisms and hinges	P
4.14	Cords, straps, and elastics	NA
4.15	Stability and over-load requirements	P
4.16	Confined spaces	NA
4.17	Wheels, tires, and axles	NA
4.18	Holes, clearance, and accessibility of mechanisms	NA
4.19	Simulated protective devices	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teethers and teething toys	NA
4.23	Rattles	NA
4.24	Squeeze toys	NA
4.25	Battery-operated toys	NA
4.26	Toys intended to be attached to a crib or playpen	NA
4.27	Stuffed and beanbag-type toys	NA
4.28	Stroller and carriage toys	NA
4.29	Art materials	NA
4.30	Toy gun marking	NA
4.31	Balloons	NA
4.32	Certain toys with nearly spherical ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispherical-shaped objects	NA
4.37	Yo Yo elastic tether toys	NA
4.38	Magnets	P#4
4.39	Jaw Entrapment in Handles and Steering Wheels	NA
4.40	Expanding Materials	NA
4.41	Toy chests	NA
5	Labeling Requirements	
5.1	Federal Government Requirements	P
5.2	Age Grading Labeling	P
5.3	Safety Labeling Requirement	P
5.4	Aquatic toys	NA
5.5	Crib and playpen toys	NA
5.6	Mobiles	NA
5.7	Stroller and carriage toys	NA

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5.8	Toys intended to be assembled by an adult	P
5.9	Simulated protective devices	NA
5.10	Toys with functional sharp edges or points	NA
5.11	Small objects, small balls, marbles, and balloons	NA
5.12	Art materials	NA
5.13	Electric toys	NA
5.14	Battery-operated toys	NA
5.15	Promotional materials	P
5.16	Magnets	NA
6	Instructional Literature	
6.1	Definition and description	P
6.2	Crib and playpen toys	NA
6.3	Mobiles	NA
6.4	Toys intended to be assembled by an adult	P
6.5	Battery-operated toys	NA
6.6	Battery-powered ride on toys	NA
6.7	Toys in contact with food	NA
6.8	Toys chests	NA
6.9	Instructional for manufacturer-supplied specialty or custom tools	NA
7	Producer's Marking	
7.1	Name and address of the producer or distributor	P
7.2	Battery-powered ride on toys	NA
7.3	Toy chests	NA

Abbreviation: P = Pass, NA = Not Applicable

Remark:

#1 = The burn rate of product is DNI.

#2 = Stationary or Self-propelled Tabletop, Floor, or Crib Toys: L_{Aeq} : 69.1dB, L_{Cpeak} : 93.6dB.

#3 = The average thickness of plastic bags are 0.064mm, 0.080mm, 0.082mm, 0.078mm.

#4 = The magnet is not small part.

4. Physical & Mechanical - small part, sharp point, sharp edge

Item	Requirement – test item	Results, remarks	Evaluation
16 CFR 1501	Small part	No small part before and after abuse test according to 16 CFR 1500.50&1500.53.	P
16 CFR 1500.48	Sharp points	No sharp point before and after abuse test according to 16 CFR 1500.50&1500.53.	P

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Item	Requirement – test item	Results, remarks	Evaluation
16 CFR 1500.49	Sharp edges	No sharp edge before and after abuse test according to 16 CFR 1500.50&1500.53.	P

Abbreviation: P = Pass, NA = Not Applicable

5. 16 CFR 1500.44 Flammability Test on Solid

Item	Requirement	Results, remarks	Evaluation
16 CFR 1500.3(C)(6)(vi)	Flammable solid	Remark: Burn rate shall be not more than 0.1inch/s(Round the burn rate to the nearest tenth,burn rate is less than 0.15 in/s accept) Burn rate: DNI.	P

Abbreviation: P = Pass, NA = Not Applicable

6. Tracking label per Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products

Item	Requirement	Evaluation
CPSIA Section 103	Tracking labels for children's products	P

Abbreviation: P=Pass

7. ASTM F963-23 Section 4.3.5.1(1) - Total Lead Content Test (Paint and Similar Surface Coating Materials)

Test with reference to CPSC-CH-E1003-09.1, determination by ICP-OES/ICP-MS.

Parameter	Unit	MDL	Limit	Result(s)	
				001	002
Lead	mg/kg	10.0	90	<10.0	<10.0
Conclusion				Pass	Pass

Parameter	Unit	MDL	Limit	Result(s)	
				003	004
Lead	mg/kg	10.0	90	<10.0	<10.0
Conclusion				Pass	Pass

8. ASTM F963-23 Section 4.3.5.2 - Total Lead Content Test (Substrate Materials)

Test with reference to CPSC-CH-E1001-08.3,CPSC-CH-E1002-08.3, determination by ICP-OES/ICP-MS.

Parameter	Unit	MDL	Limit	Result(s)	
				005	006
Lead	mg/kg	10.0	100	<10.0	<10.0
Conclusion				Pass	Pass

Parameter	Unit	MDL	Limit	Result(s)	
				007	008
Lead	mg/kg	10.0	100	<10.0	<10.0
Conclusion				Pass	Pass

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Parameter	Unit	MDL	Limit	Result(s)	
				009	010
Lead	mg/kg	10.0	100	<10.0	<10.0
Conclusion				Pass	Pass

Parameter	Unit	MDL	Limit	Result(s)	
				011	012
Lead	mg/kg	10.0	100	<10.0	<10.0
Conclusion				Pass	Pass

Parameter	Unit	MDL	Limit	Result(s)	
				013	014
Lead	mg/kg	10.0	100	<10.0	<10.0
Conclusion				Pass	Pass

Parameter	Unit	MDL	Limit	Result(s)	
				015+016+017	018
Lead	mg/kg	10.0	100	<10.0	<10.0
Conclusion				Pass	Pass

Parameter	Unit	MDL	Limit	Result(s)	
				019	
Lead	mg/kg	10.0	100	<10.0	
Conclusion				Pass	

9. ASTM F963-23 Section 4.3.5 - Heavy Element (Soluble Heavy Element)

Test with reference to ASTM F963-23 Section 8.3 for soluble heavy elements

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			001	002
Soluble Antimony (Sb)	5.0	60	<5.0	<5.0
Soluble Arsenic (As)	2.5	25	<2.5	<2.5
Soluble Barium (Ba)	5.0	1000	7.81	<5.0
Soluble Cadmium (Cd)	5.0	75	<5.0	<5.0
Soluble Chromium (Cr)	5.0	60	<5.0	<5.0
Soluble Lead (Pb)	5.0	90	<5.0	<5.0
Soluble Mercury (Hg)	5.0	60	<5.0	<5.0
Soluble Selenium (Se)	5.0	500	<5.0	<5.0
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			003	004
Soluble Antimony (Sb)	5.0	60	<5.0	<5.0
Soluble Arsenic (As)	2.5	25	<2.5	<2.5
Soluble Barium (Ba)	5.0	1000	24.0	56.5
Soluble Cadmium (Cd)	5.0	75	<5.0	<5.0



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Soluble Chromium (Cr)	5.0	60	<5.0	<5.0
Soluble Lead (Pb)	5.0	90	<5.0	<5.0
Soluble Mercury (Hg)	5.0	60	<5.0	<5.0
Soluble Selenium (Se)	5.0	500	<5.0	<5.0
Conclusion			Pass	Pass

Note: Mass of trace amount of sample 004 is 100.00 mg

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			005	006
Soluble Antimony (Sb)	5.0	60	<5.0	<5.0
Soluble Arsenic (As)	2.5	25	<2.5	<2.5
Soluble Barium (Ba)	5.0	1000	<5.0	<5.0
Soluble Cadmium (Cd)	5.0	75	<5.0	<5.0
Soluble Chromium (Cr)	5.0	60	<5.0	<5.0
Soluble Lead (Pb)	5.0	90	<5.0	<5.0
Soluble Mercury (Hg)	5.0	60	<5.0	<5.0
Soluble Selenium (Se)	5.0	500	<5.0	<5.0
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			007	008
Soluble Antimony (Sb)	5.0	60	<5.0	<5.0
Soluble Arsenic (As)	2.5	25	<2.5	<2.5
Soluble Barium (Ba)	5.0	1000	<5.0	<5.0
Soluble Cadmium (Cd)	5.0	75	<5.0	<5.0
Soluble Chromium (Cr)	5.0	60	<5.0	<5.0
Soluble Lead (Pb)	5.0	90	<5.0	<5.0
Soluble Mercury (Hg)	5.0	60	<5.0	<5.0
Soluble Selenium (Se)	5.0	500	<5.0	<5.0
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			009	010
Soluble Antimony (Sb)	5.0	60	<5.0	<5.0
Soluble Arsenic (As)	2.5	25	<2.5	<2.5
Soluble Barium (Ba)	5.0	1000	<5.0	<5.0
Soluble Cadmium (Cd)	5.0	75	<5.0	<5.0
Soluble Chromium (Cr)	5.0	60	<5.0	<5.0
Soluble Lead (Pb)	5.0	90	<5.0	<5.0
Soluble Mercury (Hg)	5.0	60	<5.0	<5.0
Soluble Selenium (Se)	5.0	500	<5.0	<5.0
Conclusion			Pass	Pass

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Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			011	012
Soluble Antimony (Sb)	5.0	60	<5.0	<5.0
Soluble Arsenic (As)	2.5	25	<2.5	<2.5
Soluble Barium (Ba)	5.0	1000	<5.0	<5.0
Soluble Cadmium (Cd)	5.0	75	<5.0	<5.0
Soluble Chromium (Cr)	5.0	60	<5.0	<5.0
Soluble Lead (Pb)	5.0	90	<5.0	<5.0
Soluble Mercury (Hg)	5.0	60	<5.0	<5.0
Soluble Selenium (Se)	5.0	500	<5.0	<5.0
Conclusion			Pass	Pass

Parameter	MDL [mg/kg]	Limit [mg/kg]	Result(s) [mg/kg]	
			013	014
Soluble Antimony (Sb)	5.0	60	<5.0	<5.0
Soluble Arsenic (As)	2.5	25	<2.5	<2.5
Soluble Barium (Ba)	5.0	1000	<5.0	<5.0
Soluble Cadmium (Cd)	5.0	75	<5.0	<5.0
Soluble Chromium (Cr)	5.0	60	<5.0	<5.0
Soluble Lead (Pb)	5.0	90	<5.0	<5.0
Soluble Mercury (Hg)	5.0	60	<5.0	<5.0
Soluble Selenium (Se)	5.0	500	<5.0	<5.0
Conclusion			Pass	Pass

Remark: 1. Adjusted Analytical Result

10. ASTM F963-23 Section 4.3.8 - Phthalates Content

Test with reference to CPSC-CH-C1001-09.4, determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					001	002
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	<0.005	<0.005
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	<0.005	<0.005
Di-isononyl phthalate, (DINP)	28553-12-0 /68515-48-0	%	0.005	0.1	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	<0.005	<0.005
Dipentyl phthalate (DPP)	131-18-0	%	0.005	0.1	<0.005	<0.005
Di-n-hexyl phthalate (DHP)	84-75-3	%	0.005	0.1	<0.005	<0.005
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	<0.005	<0.005
Conclusion					Pass	Pass

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Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					003	004
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	<0.005	<0.005
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	<0.005	<0.005
Di-isononyl phthalate, (DINP)	28553-12-0 /68515-48-0	%	0.005	0.1	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	<0.005	<0.005
Dipentyl phthalate (DPP)	131-18-0	%	0.005	0.1	<0.005	<0.005
Di-n-hexyl phthalate (DHP)	84-75-3	%	0.005	0.1	<0.005	<0.005
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	<0.005	<0.005
Conclusion					Pass	Pass

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					005	006
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	<0.005	<0.005
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	<0.005	<0.005
Di-isononyl phthalate, (DINP)	28553-12-0 /68515-48-0	%	0.005	0.1	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	<0.005	<0.005
Dipentyl phthalate (DPP)	131-18-0	%	0.005	0.1	<0.005	<0.005
Di-n-hexyl phthalate (DHP)	84-75-3	%	0.005	0.1	<0.005	<0.005
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	<0.005	<0.005
Conclusion					Pass	Pass

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					007	008
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	<0.005	<0.005
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	<0.005	<0.005
Di-isononyl phthalate, (DINP)	28553-12-0 /68515-48-0	%	0.005	0.1	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	<0.005	<0.005
Dipentyl phthalate (DPP)	131-18-0	%	0.005	0.1	<0.005	<0.005
Di-n-hexyl phthalate (DHP)	84-75-3	%	0.005	0.1	<0.005	<0.005
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	<0.005	<0.005
Conclusion					Pass	Pass

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Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					009	010+011
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	<0.005	<0.005
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	<0.005	<0.005
Di-isononyl phthalate, (DINP)	28553-12-0 /68515-48-0	%	0.005	0.1	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	<0.005	<0.005
Dipentyl phthalate (DPP)	131-18-0	%	0.005	0.1	<0.005	<0.005
Di-n-hexyl phthalate (DHP)	84-75-3	%	0.005	0.1	<0.005	<0.005
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	<0.005	<0.005
Conclusion					Pass	Pass

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					012+013+014	
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	<0.005	
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	<0.005	
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	<0.005	
Di-isononyl phthalate, (DINP)	28553-12-0 /68515-48-0	%	0.005	0.1	<0.005	
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	<0.005	
Dipentyl phthalate (DPP)	131-18-0	%	0.005	0.1	<0.005	
Di-n-hexyl phthalate (DHP)	84-75-3	%	0.005	0.1	<0.005	
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	<0.005	
Conclusion					Pass	

11. Total Lead Content -16 CFR Part 1303, Lead of Paint

Test with reference to CPSC-CH-E1003-09.1 and determination by ICP-OES/ICP-MS.

Parameter	Unit	MDL	Limit	Result(s)	
				001	002
Lead (Pb)	mg/kg	10.0	90	<10.0	<10.0
Conclusion				Pass	Pass

Parameter	Unit	MDL	Limit	Result(s)	
				003	004
Lead (Pb)	mg/kg	10.0	90	<10.0	<10.0
Conclusion				Pass	Pass

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12. Consumer Product Safety Improvement Act (CPSIA) of 2008 Section 101 - Total Lead Content Test in paint/similar surface coating material

Test with reference to CPSC-CH-E1003-09.1 and determination by ICP-OES/ICP-MS.

Parameter	Unit	MDL	Limit	Result(s)	
				001	002
Lead (Pb)	mg/kg	10.0	90	<10.0	<10.0
Conclusion				Pass	Pass

Parameter	Unit	MDL	Limit	Result(s)	
				003	004
Lead (Pb)	mg/kg	10.0	90	<10.0	<10.0
Conclusion				Pass	Pass

13. Consumer Product Safety Improvement Act (CPSIA) of 2008 Section 101 - Total Lead Content Test in substrate materials

Test with reference to CPSC-CH-E1001-08.3, CPSC-CH-E1002-08.3, determination by ICP-OES/ICP-MS.

Parameter	Unit	MDL	Limit	Result(s)	
				005	006
Lead	mg/kg	10.0	100	<10.0	<10.0
Conclusion				Pass	Pass

Parameter	Unit	MDL	Limit	Result(s)	
				007	008
Lead	mg/kg	10.0	100	<10.0	<10.0
Conclusion				Pass	Pass

Parameter	Unit	MDL	Limit	Result(s)	
				009	010
Lead	mg/kg	10.0	100	<10.0	<10.0
Conclusion				Pass	Pass

Parameter	Unit	MDL	Limit	Result(s)	
				011	012
Lead	mg/kg	10.0	100	<10.0	<10.0
Conclusion				Pass	Pass

Parameter	Unit	MDL	Limit	Result(s)	
				013	014
Lead	mg/kg	10.0	100	<10.0	<10.0
Conclusion				Pass	Pass

Parameter	Unit	MDL	Limit	Result(s)	
				015+016+017	018
Lead	mg/kg	10.0	100	<10.0	<10.0
Conclusion				Pass	Pass

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Parameter	Unit	MDL	Limit	Result(s)
				019
Lead	mg/kg	10.0	100	<10.0
Conclusion				Pass

14. 16 CFR Part 1307 amending CPSIA section 108, Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates

Test with reference to CPSC-CH-C1001-09.4, determination by GC-MS.

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					001	002
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	<0.005	<0.005
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	<0.005	<0.005
Di-isononyl phthalate, (DINP)	28553-12-0 /68515-48-0	%	0.005	0.1	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	<0.005	<0.005
Dipentyl phthalate (DPP)	131-18-0	%	0.005	0.1	<0.005	<0.005
Di-n-hexyl phthalate (DHP)	84-75-3	%	0.005	0.1	<0.005	<0.005
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	<0.005	<0.005
Conclusion					Pass	Pass

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					003	004
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	<0.005	<0.005
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	<0.005	<0.005
Di-isononyl phthalate, (DINP)	28553-12-0 /68515-48-0	%	0.005	0.1	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	<0.005	<0.005
Dipentyl phthalate (DPP)	131-18-0	%	0.005	0.1	<0.005	<0.005
Di-n-hexyl phthalate (DHP)	84-75-3	%	0.005	0.1	<0.005	<0.005
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	<0.005	<0.005
Conclusion					Pass	Pass

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					005	006
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	<0.005	<0.005
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	<0.005	<0.005

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Di-isononyl phthalate, (DINP)	28553-12-0 /68515-48-0	%	0.005	0.1	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	<0.005	<0.005
Dipentyl phthalate (DPP)	131-18-0	%	0.005	0.1	<0.005	<0.005
Di-n-hexyl phthalate (DHP)	84-75-3	%	0.005	0.1	<0.005	<0.005
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	<0.005	<0.005
Conclusion					Pass	Pass

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					007	008
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	<0.005	<0.005
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	<0.005	<0.005
Di-isononyl phthalate, (DINP)	28553-12-0 /68515-48-0	%	0.005	0.1	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	<0.005	<0.005
Dipentyl phthalate (DPP)	131-18-0	%	0.005	0.1	<0.005	<0.005
Di-n-hexyl phthalate (DHP)	84-75-3	%	0.005	0.1	<0.005	<0.005
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	<0.005	<0.005
Conclusion					Pass	Pass

Parameter	CAS No.	Unit	MDL	Limit	Result(s)	
					009	010+011
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	<0.005	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	<0.005	<0.005
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	<0.005	<0.005
Di-isononyl phthalate, (DINP)	28553-12-0 /68515-48-0	%	0.005	0.1	<0.005	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	<0.005	<0.005
Dipentyl phthalate (DPP)	131-18-0	%	0.005	0.1	<0.005	<0.005
Di-n-hexyl phthalate (DHP)	84-75-3	%	0.005	0.1	<0.005	<0.005
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	<0.005	<0.005
Conclusion					Pass	Pass



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Parameter	CAS No.	Unit	MDL	Limit	Result(s)
					012+013+014
Dibutyl phthalate, (DBP)	84-74-2	%	0.005	0.1	<0.005
Benzyl butyl phthalate, (BBP)	85-68-7	%	0.005	0.1	<0.005
Bis (2-ethylhexyl) phthalate, (DEHP)	117-81-7	%	0.005	0.1	<0.005
Di-isononyl phthalate, (DINP)	28553-12-0 /68515-48-0	%	0.005	0.1	<0.005
Diisobutylphthalate, (DIBP)	84-69-5	%	0.005	0.1	<0.005
Dipentyl phthalate (DPP)	131-18-0	%	0.005	0.1	<0.005
Di-n-hexyl phthalate (DHP)	84-75-3	%	0.005	0.1	<0.005
Dicyclohexyl phthalate (DCHP)	84-61-7	%	0.005	0.1	<0.005
Conclusion					Pass

-End of Test Report-