



# Test Report

Report No.: LST23032219EN

Date: Mar. 28, 2023

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**Applicant:** Montessori World LLC

**Address:** 20021 80th Ave. South Suite C-6 wa Kent 98032

The following sample(s) information and test item(s) were submitted and identified by/on behalf of the applicant

**Sample Name:** Folding Stool  
**Manufacturer:** LJKF074-1  
**Labeled age group:** None  
**Age grading for testing:** Over 3 years old  
**Applicant's specified age group for testing:** Over 3 years old  
**Sample Receiving Date:** Mar. 23, 2023  
**Testing Period:** Mar. 23, 2023 to Mar. 28, 2023

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

Signed for and on behalf of LST

Rory / Technical Manager

Signed for and on behalf of LST

Davy / Lab supervisor



Zhejiang Lisen Testing Technology Co., Ltd.

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## Summary of Test Result(s):

No.	Test Sample	Test Requested	Result(s)
1	Tested materials of submitted samples	US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)] - Total Lead (Pb) in accessible substrate materials	PASS
2	Tested materials of submitted samples	ASTM F963-17 Section 4.3.5.2 - Total Lead (Pb) content in substrate material	PASS
3	Tested materials of submitted samples	US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)] - 16 CFR 1307 - Phthalates	PASS
4	Tested materials of submitted samples	ASTM F963-17 Section 4.3.5.2 - Soluble Heavy Metals content in substrate material	PASS
5	Submitted samples	16 CFR 1500.48/16 CFR 1500.49/16 CFR 1501 sharp point/edge & small part(Sharp points/Sharp edges/Small parts)	PASS
6	Submitted samples	ASTM F963-17 - Flammability	PASS

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## Sample Description

Material No.	Component Description	Location
01	Orange fiber	Fabric
02	Black fiber	Rope
03	White leather	Stool
04	Light brown wood	Stool
05	Toy	Toy entirety

## Photo of sample



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## Test Result(s):

CPSIA - Total Lead(Pb) content of accessible substrate materials

Method: With reference to CPSC-CH-E1002-08.3, analyzed by Atomic Absorption Spectroscopy (AAS).

Material No.	Limit (mg/kg)	Result (mg/kg)	Conclusion
(01+02)▲	100	N.D.	PASS
04	100	N.D.	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
  2. N.D. = Not Detected (< RL).
  3. RL (Reporting Limit) = 10 mg/kg.
  4. "▲" this data for several samples of mixed test results, the actual data of one or several samples in mixed samples are likely more than the results, please be careful to use this data.

ASTM F963-17 Section 4.3.5.2 - Total Lead(Pb) content in substrate material

Method: With reference to CPSC-CH-E1002-08.3, analyzed by Atomic Absorption Spectroscopy (AAS).

Material No.	RL (mg/kg)	Limit (mg/kg)	Result (mg/kg)	Conclusion
(01+02)▲	10	100	N.D.	PASS
04	10	100	N.D.	PASS

- Note:**
1. mg/kg = milligram per kilogram (ppm).
  2. N.D. = Not Detected (< RL).
  3. RL = Reporting Limit.
  4. "▲" this data for several samples of mixed test results, the actual data of one or several samples in mixed samples are likely more than the results, please be careful to use this data.

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CPSIA (16 CFR 1307) - Phthalates

Method: With reference to CPSC-CH-C1001-09.4, analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS).

Substances	DBP	BBP	DEHP	DINP	DHEXP	DIBP	DCHP	DPENP	Conclusion
CAS No.	84-74-2	85-68-7	117-81-7	28553-12-0/ 68515-48-0	84-75-3	84-69-5	84-61-7	131-18-0	
Limit (mg/kg)	1000	1000	1000	1000	1000	1000	1000	1000	
RL (mg/kg)	50	50	50	100	50	50	50	50	
Material No.	Result (mg/kg)								PASS
03	N.D.	N.D.	137	N.D.	N.D.	N.D.	N.D.	N.D.	

- Note:**
1. mg/kg = milligram per kilogram (ppm).
  2. N.D. = Not Detected (< RL).
  3. RL = Reporting Limit.
  4. Children's toys and child care articles shall not more than 1000mg/kg DBP, BBP, DEHP, DINP, DIBP, DCHP,DPENP and DHEXP
    - Children's toys defined as 12 years and under.
    - Child care articles to facilitate sleep or feeding of children 3 years and under, or to help children with sucking and teething.
  5. Polypropylene (PP), polyethylene (PE), acrylonitrile butadiene styrene (ABS), general purpose polystyrene (GPPS), medium-impact polystyrene (MIPS), high-impact polystyrene (HIPS), and super high-impact polystyrene (SHIPS), and their additives as listed in 16 CFR 1308 are exempt from testing. If material identification is not provided, phthalate testing will be conducted on all plastic materials.

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ASTM F963-17 Section 4.3.5.2 - Soluble Heavy Metals content in substrate material

Method: With reference to ASTM F963-17 Section 8.3, analyzed by Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES).

Elements	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Conclusion
Limit for Modeling clay (mg/kg)	25	250	50	25	25	90	60	500	
Limit for Others (mg/kg)	25	1000	75	60	60	90	60	500	
RL (mg/kg)	2.5	5	5	5	5	5	5	5	
Material No.	Result (mg/kg)								PASS
04	N.D.	15	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	

- Note:**
1. mg/kg = milligram per kilogram (ppm).
  2. N.D. = Not Detected (< RL).
  3. RL = Reporting Limit.

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CPSC 16 CFR 1501- Small Part and CPSC 16 CFR 1500.48~49- Sharp Points & Edges

Labeled age group: None

Age grading for testing: Over 3 years old

Applicant's specified age group for testing: Over 3 years old

Test Item(s)	Requirements of Standard	Assessment
		05
CPSC 16 CFR 1501-Small part	Toys and other article intended for use by children under 3 years of age shall not have small parts since it presents a choking, aspiration, or ingestion hazard. Toys and other article are subject to this requirement before or after use and abuse testing.	NA
CPSC 16 CFR 1500.48-Sharp Points	Toys and other article intended for use by children under 8 years of age shall not have accessible potentially hazardous sharp points. Toys and other article are subject to this requirement before or after use and abuse testing.	PASS
CPSC 16 CFR 1500.49-Sharp Edges	Toys and other article intended for use by children under 8 years of age shall not have accessible potentially hazardous sharp metal or glass edges. Toys and other article are subject to this requirement before or after use and abuse testing.	PASS

**Note:** NA = Not Applicable.

The submitted samples were undergone the use and abuse tests in accordance with the Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations:

Testing Items	FHSA	Parameter
Drop Test	Section 1500.53(b)	4×3.0 ft
Torque Test	Section 1500.53(e)	4.0 inch ·lbf, 10s
Tension Test	Section 1500.53(f)	15 lbf, 10s

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ASTM F963-17 Annex A5 - Flammability

Material No.	Burn Length(inch)	Burn Time(sec.)	Burn Rate(inch/sec.)	Conclusion
05	1.3	60	0.02	PASS

- Note:**
- 1.DNI = Did not ignite.
  - 2.IBE = Ignited but self-extinguished before burn-rate could be determined.
  - 3.a) If the burning speed of all samples is less than 0.10 in./s (2.5 mm/s), the test is accepted.  
b) If the burning speed of all samples is greater than 0.10in./s (2.5mm/s), but less than 0.15in./s (3.75mm/s), it is accepted but in-depth investigation and research should be considered to take measures to improve performance Measures.  
c) If the burning speed of one of the samples is greater than 0.15 in./s (3.75 mm/s), the rejection is measured.
  4. All styles of the submitted toy samples (and its accessories) was/were tested, the above result only showed the most severe burn rate of the samples.

\*\*\*End of Report\*\*\*

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