



# Test Report

**Report No.:** LST20036063EN

**Date:** Mar. 23, 2020

Page 1 of 8

**Applicant:** NINGBO ABST DAILY PRODUCTS CO.,LTD.

**Address:** NO.3,MEIJIN ROAD,DONGQIAN LAKE INNOVATIVE INDUSTRIAL ZONE,NINGBO(315121), CHINA

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

**Sample Name:** Drawing Board Table and Chair Set

**Sample Model:** ABST-D01

**Exported to:** U.S.A Europe

**Test Age Group:** 3-12 years old

**Sample Receiving Date:** Mar. 16, 2020

**Testing Period:** Mar. 16, 2020 to Mar. 23, 2020

**Test Results:** Please Refer To The Following Page(s)

**Test Requested and Conclusion(s):** Please Refer To The Following Page(s)

Signed for and on behalf of LST

Rory / Technical Manager

Signed for and on behalf of LST

Zoey / Lab supervisor





# Test Report

Report No.: LST20036063EN

Date: Mar. 23, 2020

Page 2 of 8

## Test Requested and Conclusion(s):

No.	Test Sample	Standard and Requirement	Conclusion(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	US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)] - 16 CFR 1307 - Phthalates	PASS
3	Tested materials of submitted samples	CPSC 16 CFR 1500.48 - Sharp points	PASS
4	Tested materials of submitted samples	CPSC 16 CFR 1500.49 - Sharp edges	PASS
5	Tested materials of submitted samples	U.S. Federal Hazardous Substances Act (FHSA) CPSC 16 CFR 1500.3(c)(6)(vi)	PASS
6	Tested materials of submitted samples	ASTM F 2613-17a - Standard Consumer Safety Specification for children's chairs and stools (Except Clause 5.4 ,5.5 and 7)	PASS



# Test Report

Report No.: LST20036063EN

Date: Mar. 23, 2020

Page 3 of 8

## Sample Description

Material No.	Component Description	Location
01	Gray plastic	Body
02	Beige plastic	Body
03	Light pink plastic	Screw
04	Desk	Desk entirety
05	Stool	Stool entirety

# Test Report

Report No.: LST20036063EN

Date: Mar. 23, 2020

Page 4 of 8

## Photo of sample





# Test Report

Report No.: LST20036063EN

Date: Mar. 23, 2020

Page 5 of 8

## Test Result(s):

CPSIA - The Lead content of accessible substrate materials

Method: With reference to CPSC-CH-E1002-08.3:2012, analyzed by Atomic Absorption Spectroscopy (AAS).

Material No.	Limit (mg/kg)	Result (mg/kg)	Conclusion
(01+02+03)▲	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.

CPSIA (16 CFR 1307) - Phthalates

Method: With reference to CPSC-CH-C1001-09.4:2018, 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)								Conclusion
(01+02+03)▲	N.D.	N.D.	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.
  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



# Test Report

Report No.: LST20036063EN

Date: Mar. 23, 2020

Page 6 of 8

exempt from testing. If material identification is not provided, phthalate testing will be conducted on all plastic materials.

5. “▲”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.

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

Test Item(s)	Requirements of Standard	Assessment
		04
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:**
1. NA = Not Applicable.
  2. The above-mentioned evaluation only comply with the received sample.

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
Tension Test	Section 1500.53(f)	15 lbf
Compression Test	Section 1500.53(g)	30 lbf



# Test Report

Report No.: LST20036063EN

Date: Mar. 23, 2020

Page 7 of 8

## CPSC 16 CFR 1500.44 - Flammability Test

Material No.	Ignition Point	Major Axis (Inch)	Burn Length (Inch)	Time (sec.)	Limit (Inch/sec.)	Burning Rate (Inch/sec.)
04	Edge	0	0	DNI	0.10	PASS

- Note:**
- 1.DNI = Did not ignite.
  2. “\*” = CPSC 16 CFR 1500.3(c)(6)(vi) Flammable solid means a solid substance that, when tested by the method described in 16 CFR 1500.44, ignites and burns with a self-sustained flame at a rate greater than one-tenth of an inch per second along its major axis.
  - 3.All styles of the submitted toy samples (and its accessories) were tested, the above result only showed the most severe burn rate of the samples.

ASTM F 2613-17a Standard Consumer Safety Specification for children's chairs and stools<sup>s</sup>

Number of Test Specimen: 2 pieces

Test Result:

Clause	Test Method / Requirements	Rating
		05
5	General Requirements	
5.1	Prior to testing, any exposed wood parts shall be smooth and free of splinters.	N/A
5.2	Sharp points or edges There shall be no hazardous sharp points or edges as defined by 16 CFR 1500.48 and 16 CFR 1500.49 before or after testing to this specification.	PASS
5.3	Small parts There shall be no small parts, as defined by 16 CFR 1501, before testing or liberated as a result of testing in according with this specification.	PASS
5.4	Chemical Requirement The paint and surface coating on the product shall comply with 16 CFR 1303.	N/C
5.5	Flammability There shall be no flammable solids as defined in 16 CFR 1500.3 (c) (6) (vi) before or after testing in according with this specification.	N/C
5.6	Toys accessories Toys accessories attached to, removable from, or sold with a product, as well as their means of attachment, must meet applicable requirements of Consumer Safety Specification F 963.	N/A





# Test Report

Report No.: LST20036063EN

Date: Mar. 23, 2020

Page 8 of 8

5.7	Scissoring, Shearing, or Pinching A product, when folded, when being unfolded, or when in the manufacturer's recommended use position, shall be designed and constructed to prevent injury to the occupant from any scissoring, shearing, or pinching when members or components rotate about a common axis or fastening point, slide, pivot, fold, or otherwise move relative to one another. Scissoring, shearing, or pinching that may cause injury shall not be permissible when the edges of the rigid parts admit a probe that is greater than 0.210 in. (5.30 mm) and less than 0.375 in. (9.50mm) diameter at any accessible point throughout the range of motion of such parts.	PASS
5.8	Product that Fold- Product that Fold shall meet either 5.8.1 or 5.8.2	N/A
5.9	Circular Holes in Rigid Materials- This requirement is intended to prevent finger entrapment (which may cut off blood circulation) in accessible holes in sheet metal and other rigid materials (non-circular holes are believed to present no significant hazard of cutting off blood circulation in entrapped fingers). If an accessible circular hole in any rigid material less than 0.062 in.(1.58mm) in thickness can admit a 1/4-in.(6-mm) diameter rod to a depth of 3/8 in.(10 mm) or greater, it shall also admit a 1/2-in.(13-mm) diameter rod.	PASS
5.10	Labeling	
5.10.1	Warning labels (whether paper or non-paper) shall be permanent when tested in accordance with 6.3.	N/A
5.10.2	Warning statements applied directly onto the surface of the product by hot stamping, heat transfer, printing, wood burning, and so forth shall be permanent when tested in accordance with 6.4.	N/A
5.10.3	Non-paper labels shall not liberate small parts when tested in accordance with 6.5.	N/A
5.11	Protective Components If the child can grasp components between the thumb and forefinger or teeth, or there is at least a 0.040-in. (1.00)gap between the component and its adjacent parent component, such component shall not be removed when tested in accordance with 6.6.	PASS
5.12	Strength requirement Products shall be tested in accordance with 6.7, and shall not generate any sharp edges, sharp corners, sharp points, or any scissoring, shearing or pinching points, The product shall remain functional upon completion of the testing.	PASS
5.13	Stability All products shall not tip over backward when tested in accordance with 6.8.1 and 6.8.2. Chairs with Side containment shall not trip over sideways when tested in accordance with 6.8.1 and 6.8.3. Tip over occurs when the product moves past equilibrium and begins to overturn	PASS
6	Test methods	
7	Marking and Labeling	N/C

Note:

N/A=Not applicable

N/C=Not conducted as per client's request.

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