

Applicant: Overseas Trading (HK) Limited

Address: NO.1302 Room, 13 Floor, NO.B2 Building, Ningbo R & D Park, 399 Juxian Road, National

Hi-Tech Zone, Ningbo, China

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

Sample Name: Sipper Bottle

Labeled age group: None

Age grading for testing:

Applicant's specified age group for testing:

Over 3 years old

Over 3 years old

Sample Receiving Date:

Mar. 27, 2023

**Testing Period:** Mar. 28, 2023 to Apr. 06, 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.,

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Tel: 86-579-85573858 E-mail: zj@lisenlab.com URL: http://www.lisenlab.com ne test results are only applicable to the samples received. Except for full-text reproduction,partially reproduced or without the special seal of LST is unlawful. Test items/methods of this report are not in the accredited scope of CMA and cannot be as domestic social impartiality proof data,only for the client's research,teaching or internal quality control,etc. Any inquiry about this report, please raise from the date of receipt of the report within 30 days,overdue will not be accept.



### 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	Client's requirement for California Proposition 65 on Lead(Pb) content	PASS
4	Tested materials of submitted samples	Client's requirement for California Proposition 65 on Cadmium(Cd) content	PASS
5	Tested materials of submitted samples	US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)] - 16 CFR 1307 - Phthalates	PASS
6	Tested materials of submitted samples	ASTM F963-17 Section 4.3.5.2 - Soluble Heavy Metals content in substrate material	PASS
7	Submitted samples	ASTM F963-17 - Physical and Mechanical Properties (Except 4.6,5.2,5.3,5.11,7.1)	PASS
8	Submitted samples	ASTM F963-17 - Flammability	PASS
9	Tested materials of submitted samples	FDA 21 CFR 177.1520(homo - PP)  - Density  - Melting point  - Maximum extractable fraction in n-Hexane  - Maximum soluble fraction in Xylene	PASS
10	Tested materials of submitted samples	FDA 21 CFR 177.1520 (PE)  - Density  - Maximum extractable fraction in n-Hexane  - Maximum soluble fraction in Xylene	PASS
11	Tested materials of submitted samples	U.S. FDA 21 CFR 177.1630-Determination of Amount of Net Chloroform Soluble Extractives	PASS
12	Tested materials of submitted samples	FDA 21CFR 177.1640 [Polystyrene(PS)] - Residual styrene monomer	PASS



### **Sample Description**

Material No.	Component Description	Location
01	Black plastic	Lid
02	White translucence plastic	Sucker
03	Red transparent plastic	Suction nozzle
04	Red transparent plastic	Mug
05	Orange transparent plastic	Mug
06	Black transparent plastic	Mug
07	Cup	Cup entirety
08	Red plastic	Lid
09	Green transparent plastic	Mug
10	Transparent plastic	Mug

### Photo of sample









#### 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	100	N.D.	PASS

Note:

- mg/kg = milligram per kilogram (ppm).
- 2. N.D. = Not Detected (< RL).
- 3. RL (Reporting Limit) = 10 mg/kg.

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	10	100	N.D.	PASS

Note: 1.

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

Client's requirements reference to California Proposition 65 - Lead (Pb)

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

Material No.	Client's Limit (mg/kg)	Result (mg/kg)	Conclusion
(08+09+10)▲	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.



Client's requirements reference to California Proposition 65 - Cadmium(Cd)

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

Material No.	Client's Limit (mg/kg)	Result (mg/kg)	Conclusion
(08+09+10)▲	100	N.D.	PASS

Note: 1. mg/kg = milligram per kilogram (ppm).

- 2. N.D. = Not Detected (< RL).
- 3. RL (Reporting Limit) = 5 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

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

Substances	DBP	ВВР	DEHP	DINP	DHEXP	DIBP	DCHP	DPENP	
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	Canalysian
Limit (mg/kg)	1000	1000	1000	1000	1000	1000	1000	1000	Conclusion
RL (mg/kg)	50	50	50	100	50	50	50	50	
Material No.	Result (mg/kg)								
(04+05+06)▲	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS
(08+09+10)▲	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS

Note:

- 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

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

6. "▲"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.

Client's requirements reference to California Proposition 65 - Phthalates <a href="Method:">Method:</a> With reference to CPSC-CH-C1001-09.4:, analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS).

Substances	DBP	ВВР	DEHP	DNOP	DINP	DIDP	DnHP	
CAS No.	84-74-2	85-68-7	117-81-7	117-84-0	28553-12-0/ 68515-48-0	26761-40-0/ 68515-49-1	84-75-3	
Client's Limit (mg/kg)	1000	1000	1000	1000	1000	1000	1000	Conclusion
RL (mg/kg)	50	50	50	50	100	100	50	
Material No.	aterial No. Result (mg/kg)							
(08+09+10)▲	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS

**Note:** 1. mg/kg = milligram per kilogram (ppm).

- 2. N.D. = Not Detected (< RL).
- 3. "▲"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 - 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).

Elimodian opeda	171	,							
Elements	As	Ва	Cd	Cr	Hg	Pb	Sb	Se	
Limit for									
Modeling	25	250	50	25	25	90	60	500	
clay (mg/kg)									
Limit for									Conclusion
Others	25	1000	75	60	60	90	60	500	
(mg/kg)									
RL (mg/kg)	2.5	5	5	5	5	5	5	5	
Material No.	Result (mg/kg)								
02	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	PASS

Note: 1. mg/kg = milligram per kilogram (ppm).

2. N.D. = Not Detected (< RL).

3. RL = Reporting Limit.

### ASTM F963-17 - Mechanical and Physical Properties

04!	Tasking Hama	Assessment
Section	Testing Items	07
4	Safety requirements	
4.1	Material quality	PASS
4.3.7	Stuffing materials	NA
4.4	Electrical/thermal energy	NA
4.5	Sound producing toys	NA
4.6	Small objects	NR <sup>1</sup>
4.7	Accessible edges	PASS
4.8	Projections	NA
4.9	Accessible points	PASS
4.10	Wires or rods	NA
4.11	Nails and fasteners	NA
4.12	Plastic film	NA
4.13	Folding mechanisms and hinges	NA

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4.14 Cords and elastics in toys	NA
4.15 Stability and over-load requirements	NA
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 Marble	NA
4.34 Balls	NA
4.35 Pompoms	NA
4.36 Hemispheric-shaped objects	NA
4.37 Yo Yo Elastic Tether Toys	NA
4.38 Magnets	NA
4.39 Jaw Entrapment in Handles and Steering Wheels	NA
4.40 Expanding materials	NA
4.41 Toy chests	NA
5 Labeling Requirement	<del>- '</del>
5.2 Age Grading labeling	NR*
5.3 Safety labeling requirements	NR*
5.4 Aquatic toys	NA
5.5 Crib and playpen toys	NA

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5.6	Mobiles	NA
5.7	Stroller and carriage toys	NA
5.8	Toys intended to be assembled by an adult	NA
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	NR*
5.12	Toy caps	NA
5.13	Art materials	NA
5.14	Electric toys	NA
5.15	Battery operated toys	NA
5.16	Promotional materials	NA
5.17	Magnets	NA
6	Instructional Literature	
6.1	Definition and description	NA
6.2	Crib and playpen toys	NA
6.3	Mobiles	NA
6.4	Toys intended to be assembled by an adult	NA
6.5	Battery operated toys	NA
6.6	Battery powered ride-on toys	NA
6.7	Toys in contact with food	NA
6.8	Toy chests	NA
7	Producer's Marking	
7.4	Name of the producer or the distributor	NR*
7.1	Address of the producer or the distributor	NR*
7.2	Battery powered ride on toys	NA
7.3	Toy chests	NA

Note: 1. NA = Not Applicable

2. NR =Not Requested

- 3. "1" = Per client's requirement, the section 4.6 was not evaluated.
- 4. "\*" = Per client's requirement, the packaging was not evaluated.
- 5. The sample is tested for "over 3 years of age" as the client's request.



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:

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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			

#### ASTM F963-17 Annex A5 - Flammability

Material No.	Burn Length(inch)	Burn Time(sec.)	Burn Time(sec.) Burn Rate(inch/sec.)	
07	1.1	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.

FDA 21CFR 177.1520 (homo-PP) - Density, Melting point, n-Hexane Extractives, Xylene Extractives Method: FDA 21CFR 177.1520

Material No.	Test Item	Limit	Result	Conclusion
01	Melting point	160-180℃	164℃	PASS
	Density	0.880-0.913g/cm <sup>3</sup>	0.910g/cm <sup>3</sup>	PASS
	Maximum extractable fraction in n-Hexane	6.40%	<0.1%	PASS
	Maximum soluble fraction in Xylene	9.80%	<0.1%	PASS

**Note:** 1.  $^{\circ}$ C = degree centigrade.

g/cm<sup>3</sup> = grams per cubic centimeter.

3. % = Percent by weight.

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FDA 21CFR 177.1520 (PE) - Density, n-Hexane Extractives, Xylene Extractives<sup>s</sup>

Method: With reference to FDA 21CFR 177.1520

Material No.	Test Item	Limit	Result	Conclusion
02	Density	0.88-1.00g/cm <sup>3</sup>	0.948g/cm <sup>3</sup>	PASS
	Maximum extractable fraction in n-Hexane	5.5%	1.00%	PASS
	Maximum soluble fraction in Xylene	11.30%	0.60%	PASS

**Note:** 1.  $^{\circ}$ C = degree centigrade.

2.  $g/cm^3 = grams per cubic centimeter.$ 

3. % = Percent by weight.

US FDA 21 CFR 177.1630 - Determination of Amount of Net Chloroform Soluble Extractives s

Method: With reference to US FDA 21 CFR 177.1630

Material No.	Test Condition	Limit (mg/inch²)	Result (mg/inch²)	Conclusion
04	Distilled water at 250 $^{\circ}\mathrm{F}~$ for 2 hours	0.5	0.2	PASS
	50% Alcohol at 120°F for 24 hours	0.5	<0.1	PASS
	n-Heptane at 150°F for 2 hours	0.5	<0.1	PASS

**Note:** 1.  $mg/inch^2 = milligram per square inch.$ 

2. °F = Degrees Fahrenheit.

FDA 21CFR 177.1640- [Polystyrene(PS)] -Residual styrene monomer s

Method: FDA 21CFR 177.1640

Material No.	Test Item	Limit (%)	RL(%)	Result(%)	Conclusion
03	Styrene monomer residual	0.5	0.01	0.1	PASS

**Note:** 1. % = Percent by weight.

2. RL = Reporting Limit.

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

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