

## Test Report

Number: GZHH00384382

Applicant: ZHONGSHAN PHQH METAL AND PLASTIC CO.LTD  
ZONE A, BUILDING B, TONG MAO INDUSTRIAL ROAD,  
GUO MAI INDUSTRIAL PARK, DONGSHENG TOWN,  
ZHONGSHAN, GD, CHINA

Date: Nov 06, 2020

### Sample Description:

Ten (10) sets of submitted sample said to be :

Item Name : **Buon Bambini Pouch Topper**  
Labelled Age Group : "6 mos+"  
Appropriate Age Grading for Testing : Over 6 Months  
Packaging Provided by Applicant : Yes  
Buyer : Buon Bambini LLC  
Manufacturer : Zhongshan PHQH Metal And Plastic Co.Ltd  
Country of Origin : China  
Date Sample Received : Oct 28, 2020  
Testing Period : Oct 28, 2020 ~ Nov 05, 2020



### Tests conducted:

As requested by the applicant, refer to attached page(s) for details.

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To be continued



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### Conclusion:

<u>Tested sample</u>	<u>Standard</u>	<u>Result</u>
Submitted sample sets	U.S. ASTM F963-17 on flammability test of materials other than textile materials	See Remark
Tested component(s) of submitted sample sets	U.S. ASTM F963-17 on soluble heavy elements test	See Comment
	U.S. ASTM F963-17 on total Lead content in non-surface coating	See Comment
*****		
<u>Tested sample</u>	<u>Standard - U.S. CFR Title 16 (CPSC Regulations)</u>	<u>Result</u>
Submitted sample sets	Physical and mechanical tests	Pass
	<u>Standard</u>	
	U.S. CFR Title 16 Part 1303 total Lead content	Not Applicable
	U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for total Lead content in surface coating	Not Applicable
Tested component(s) of submitted sample sets	U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for Total Lead content in Non-surface coating materials (substrate)	Pass
	US Consumer Product Safety Improvement Act 2008 Title I, Sec 108(a) & (b)(3) and US 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass
	<u>Test Item</u>	
	Bisphenol –A Content	See Test Conducted 8
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Remark: The submitted samples were examined not toys and were not subjected to the scope of ASTM Standard Consumer Safety Specification for Toy Safety F963-17. However, as requested by the applicant, the submitted samples were assessed under the requirement of ASTM Standard Consumer Safety Specification for Toy Safety F963-17, and the result met the requirement of specification.

Comment: The testing scope of the following standard was not applicable to the submitted samples. However, the test results of the samples met the related requirements as stated in this report.

Authorized by:  
For Intertek Testing Services Shenzhen Ltd.  
Guangzhou Branch, Hardlines

  
Victor T.J. Wang  
Assistant General Manager



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Tests Conducted

1 Flammability test

As per section 4.2 of the ASTM standard consumer safety specification on toy safety F963-17, the samples were tested according to Annex A5 Flammability testing procedure for solids and soft toys

Result : Ignited but self-extinguished before burn rate could be determined

2 Heavy Elements Analysis (except modelling clay)

As per Section 4.3.5 and Section 8.3.2 to 8.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17, heavy elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm)	Reporting limit (ppm)	Limit (ppm)
	Tested component		
	(1), (2)		
Sol. Barium (Ba)	ND	5	1000
Sol. Lead (Pb)	ND	5	90
Sol. Cadmium (Cd)	ND	5	75
Sol. Antimony (Sb)	ND	5	60
Sol. Selenium (Se)	ND	5	500
Sol. Chromium (Cr)	ND	5	60
Sol. Mercury (Hg)	ND	5	60
Sol. Arsenic (As)	ND	2.5	25

Sol. = Soluble  
ppm = part per million = mg/kg  
ND = Not detected

Tested Components: See component list in the last section of this report

3 Total Lead (Pb) Content in Non-Surface Coating

With reference to Section 4.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17, test method CPSC-CH-E1001-08.3 or/and CPSC-CH-E1002-08.3 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm)	Reporting Limit (ppm)	Limit (ppm)
	Tested Component		
	(1+2)		
Lead (Pb)	ND	10	100

ppm = part per million = mg/kg  
ND = Not detected

Tested Components: See component list in the last section of this report

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4 Physical and Mechanical Tests

As per U.S. Code of Federal Regulations Title 16 part 1500.50, the hazards of sharp points, sharp edge and small parts are assessed both before and after applicable use and abuse tests.

	No. of sample tested	Sharp Point (1500.48)	Sharp Edge (1500.49)	Small Part (1501)
As received	2	P	NA	P
Impact test (1500.53(b))	1	P	NA	P
Flexure test (1500.53(d))	0	NA	NA	NA
Torque test (1500.53(e))	1	P	NA	P
Tension test (1500.53(f))	1	P	NA	P
Compression test (1500.53(g))	1	P	NA	P

Remark: P = Pass NA = Not Applicable

5 Total Lead (Pb) Content in Surface Coating

As per Standard Operating Procedure for Determining Lead (Pb) in paint and other similar surface coatings, test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Assessment: Since no scrapable surface coating was found on the submitted sample(s), the testing scope was not applicable to the submitted sample(s).

6 Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate)

As per Standard Operating Procedures for Determining total Lead (Pb) in children's products, test methods CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001-08.3 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm)		Reporting Limit (ppm)	Limit (ppm)
	Tested Component			
	(1+2)			
Lead (Pb)	ND		10	100

The above limit was quoted according to U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for total Lead content in Non-surface coating materials.

ppm = parts per million = mg/kg  
 ND = Not detected (less than reporting limit)

Tested components: See component list in the last section of this report

Remark: As requested by the applicant, total Lead content test was conducted only on component(s) listed in this report. Other components were not tested.

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7 Phthalate Content

As per CPSC-CH-C1001-09.4, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test item	CAS No.	Result (%)	Reporting limit (%)	Limit (%)
		Tested component (1+2)		
Dibutyl phthalate (DBP)	84-74-2	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.01	0.1
Di-iso-nonyl phthalate (DINP)	28553-12-0	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	0.01	0.1
Di-n-pentyl Phthalate (DPENP)	131-18-0	ND	0.01	0.1
Di-n-hexyl Phthalate (DHEXP)	84-75-3	ND	0.01	0.1
Dicyclohexyl Phthalate (DCHP)	84-61-7	ND	0.01	0.1

The above limit was quoted according to US 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates.

ND = Not detected(less than reporting limit)

Tested Component(s): See component list in the last section of this report

As requested by the applicant, phthalate test was conducted only on component(s) listed in this report. Other components were not tested.

8 Bisphenol-A Content

By solvent extraction and followed by Liquid Chromatographic / Tandem Mass Spectrometer (LC/MS/MS) analysis.

Test item	CAS No	Result (mg/kg)	Reporting limit (mg/kg)
		Tested component (1), (2)	
Bisphenol-A	80-05-7	ND	0.1

ND = Not detected(less than reporting limit)

Tested Component: See component list in the last section of this report

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**Test Report**

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Tests Conducted

Components list:

- (1) Cyan silicone.
- (2) Light blue silicone.

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End of report

*The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band  $w = U$ ) except designation from the customer, regulation or test specification.*

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