

## Test report

23W-016926



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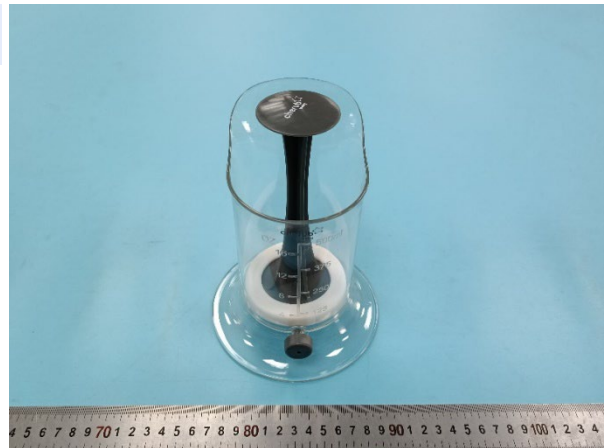
## Overall result

**PASS**

Please refer to the following pages for test result summary and notes.

## Client information

Client: Cherub Baby  
Address: 9/6a Railway Ave  
Oakleigh  
Australia



## Sample information

Description: Fill Station	
SKU/style #: CHFPFILLSTATION XXX (XXX denotes all variations)	
Country of origin: China	Labeled age grade: -
Country of distribution: Europe, Australia, United States	Requested age grade: For adult use
Supplier: Cherub Baby	Tested age grade: -
Quantity submitted: 4 pcs	

## General information

Sample receipt date: 24-Nov-2023	Report date: 06-Dec-2023
Testing period: 27-Nov-2023 to 06-Dec-2023	

QIMA (Hangzhou) Testing Co., Ltd.

Jeremy Xu  
Chemical Laboratory Supervisor

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## Result summary

At the request of the client, the following test were conducted:

Test(s) conducted	Conclusion
AS/NZS ISO 8124.3:2021 Safety of Toys – Part 3, Migration of Certain Elements	PASS
Client's requirement, Bisphenol A content	PASS
Australian Competition and Consumer Act 2010 (Consumer Protection Notice No. 11 of 2011), Diethylhexyl Phthalate (DEHP)	PASS
Commission Regulation (EU) No. 10/2011 as Amended by Regulation (EU) 2020/1245, Overall Migration	PASS
Commission Regulation (EU) No. 10/2011 as Amended by Regulation (EU) 2020/1245, Specific Migration - Heavy Metals	PASS
FDA 21 CFR 177.2600, Rubber	PASS



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## Detailed results

### AS/NZS ISO 8124.3:2021 Safety of Toys – Part 3, Migration of Certain Elements

Test Method: AS/NZS ISO 8124.3:2021  
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry and/or Inductively Coupled Plasma-Mass Spectrometry

#### Toy Material except Modelling Clay and Finger Paint

Specimen No.	1	3	---	---	---	Soluble Limit (mg/kg)
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Soluble Antimony (Sb)	ND	ND	---	---	---	60
Soluble Arsenic (As)	ND	ND	---	---	---	25
Soluble Barium (Ba)	ND	ND	---	---	---	1000
Soluble Cadmium (Cd)	ND	ND	---	---	---	75
Soluble Chromium (Cr)	ND	ND	---	---	---	60
Soluble Lead (Pb)	ND	ND	---	---	---	90
Soluble Mercury (Hg)	ND	ND	---	---	---	60
Soluble Selenium (Se)	ND	ND	---	---	---	500
<b>Conclusion</b>	PASS	PASS	---	---	---	

**Note:**

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 5 mg/kg)

**Remark:**

The specification is quoted from client's requirement.



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## Detailed results

### Client's requirement, Bisphenol A content

Test Method: In-House Method<sup>#</sup>

Analytical Method: Liquid Chromatography-Mass Spectrometer Mass Spectrometer (LC-MS/MS)

Specimen No.		1	3	---	---	Client's limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Bisphenol A (BPA)	80-05-7	ND	ND	---	---	<b>Not Detected</b>
<b>Conclusion</b>		PASS	PASS	---	---	

*Note:*

mg/kg=milligram per kilogram

ND=Not Detected(Reporting limit = 1.0mg/kg)



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## Detailed results

### Australian Competition and Consumer Act 2010 (Consumer Protection Notice No. 11 of 2011), Diethylhexyl Phthalate (DEHP)

Test Method: CPSC-CH-C1001-09.4  
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1	3	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	---	---	<b>10000</b>
<b>Conclusion</b>		PASS	PASS	---	---	

**Note:**

mg/kg=Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 150 mg/kg)



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## Detailed results

### Commission Regulation (EU) No. 10/2011 as Amended by Regulation (EU) 2020/1245, Overall Migration

Test Method: Regulation (EU) No. 10/2011 with its amendments ANNEX II and ANNEX V, Regulation (EU) 2020/1245, EN 1186-9:2002 (Article Filling Method)

#### Repeated use materials and articles

Specimen No.			2				
Migration			1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	^Stability	Limit (mg/dm <sup>2</sup> )
Test Simulant	Test Condition		Result (mg/dm <sup>2</sup> )	Result (mg/dm <sup>2</sup> )	Result (mg/dm <sup>2</sup> )		
	Temp.	Duration					
3% Acetic acid	40 °C	0.5 hours	ND	ND	ND	Sufficient	<b>10</b>
20% Ethanol	40 °C	0.5 hours	ND	ND	ND	Sufficient	<b>10</b>
<b>Conclusion</b>			PASS				

**Note:**  
 Temp. = Temperature  
 °C = Degree Celsius  
 mg/dm<sup>2</sup> = Milligrams per square decimeter  
 LT = Less than  
 ND = Not detected (Reporting Limit = 3 mg/dm<sup>2</sup>)  
 ^According to Regulation (EU) 2020/1245, it does not comply when the 2<sup>nd</sup> migration exceeds the level observed in the 1<sup>st</sup> migration, and the 3<sup>rd</sup> migration exceeds the level observed in the 2<sup>nd</sup> migration, even in case the migration limit is not exceeded in any of the three migration tests.





## Detailed results

### Commission Regulation (EU) No. 10/2011 as Amended by Regulation (EU) 2020/1245, Specific Migration - Heavy Metals

Test Method: Regulation (EU) No. 10/2011 with its amendments ANNEX II and ANNEX V,  
Regulation (EU) 2020/1245, EN 13130-1:2004, (Article Filling Method)  
Analytical Method: Inductively Coupled Plasma-Mass Spectrometry

Test Condition:

Simulant: 3% Acetic acid Temperature: 40 °C Duration: 0.5 hours

Repeated use materials and articles

Specimen No.	2			^Stability	RL (mg/kg)	Migratable Limit (mg/kg)
	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>			
Migration	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)			
Aluminum (Al)	ND	ND	ND	Sufficient	0.2	1
Antimony (Sb)	ND	ND	ND	Sufficient	0.02	0.04
Arsenic (As)	ND	ND	ND	Sufficient	0.01	ND
Barium (Ba)	ND	ND	ND	Sufficient	0.2	1
Cadmium (Cd)	ND	ND	ND	Sufficient	0.002	ND
Chromium (Cr)	ND	ND	ND	Sufficient	0.01	ND
Cobalt (Co)	ND	ND	ND	Sufficient	0.02	0.05
Copper (Cu)	ND	ND	ND	Sufficient	0.2	5
Iron (Fe)	ND	ND	ND	Sufficient	0.2	48
Lead (Pb)	ND	ND	ND	Sufficient	0.01	ND
Lithium (Li)	ND	ND	ND	Sufficient	0.2	0.6
Manganese (Mn)	ND	ND	ND	Sufficient	0.2	0.6
Mercury (Hg)	ND	ND	ND	Sufficient	0.01	ND
Nickel (Ni)	ND	ND	ND	Sufficient	0.02	0.02
Zinc (Zn)	ND	ND	ND	Sufficient	0.2	5
Europium (Eu)	ND	ND	ND	Sufficient	0.01	0.05
Gadolinium (Gd)	ND	ND	ND	Sufficient	0.01	0.05
Lanthanum (La)	ND	ND	ND	Sufficient	0.01	0.05
Terbium (Tb)	ND	ND	ND	Sufficient	0.01	0.05
Sum of (Eu, Gd, La, Tb)	ND	ND	ND	Sufficient	--	0.05
<b>Conclusion</b>	PASS					





*Note:*  
°C = Degree Celsius  
mg/kg = Milligrams per kg foodstuff  
LT = Less than  
ND = Not detected. Result value is less than reporting limit (RL).  
^According to Regulation (EU) 2020/1245, it does not comply when the 2<sup>nd</sup> migration exceeds the level observed in the 1<sup>st</sup> migration, and the 3<sup>rd</sup> migration exceeds the level observed in the 2<sup>nd</sup> migration, even in case the migration limit is not exceeded in any of the three migration tests.



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## Detailed results

### FDA 21 CFR 177.2600, Rubber

Test Method: FDA 21 CFR 177.2600

Specimen No.			3	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in <sup>2</sup> )	Reflux	First 7 hours	ND	2	20
Distilled water extractive (mg/in <sup>2</sup> )	Reflux	Succeeding 2 hours	ND	0.1	1
<b>Conclusion</b>			PASS		

**Note:**

Temp. = Temperature

mg/in<sup>2</sup> = Milligrams per square inch

LT = Less than

ND = Not detected. Result value is less than reporting limit (RL).

**Remark:**

The specification is quoted from 21 CFR 177.2600 (e) and 177.2600 (f).

From Client's information, rubber article was intended for repeated use in contact with aqueous food only, therefore n-hexane extractive was not conducted.



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## Specimen description

Specimen #	Specimen description	Location
1	Transparent plastic	Main body
2	Transparent plastic	Interior
3	White soft plastic	Push rod base



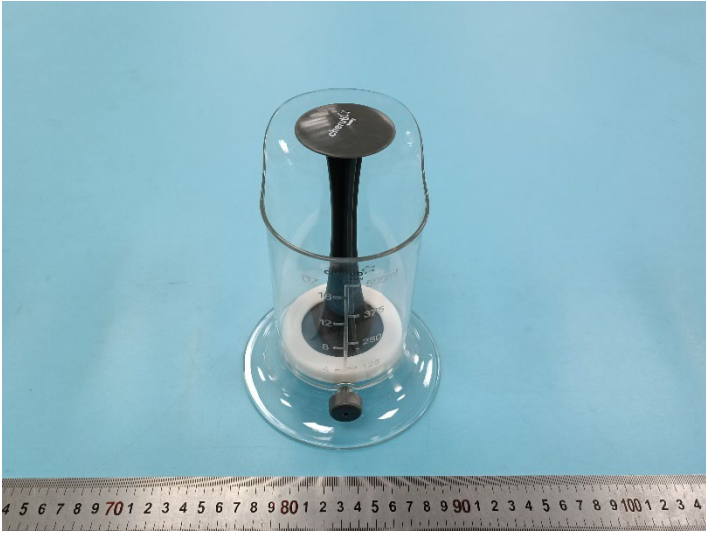
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## Pictures

### Sample photo:



End of the report

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and the method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the QIMA decision rule. (<https://www.qima.com/conditions-of-service#decisionRule>). This test report may not be reproduced in whole or in part, without the written approval of QIMA (Hangzhou) Testing Co., Ltd.



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