

TEST REPORT

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Applicant : KKC CO., LTD
Address : NO.61, LONGHUA RD, ZHOUXIN ST, QINGCHENG DISTRICT,
QINGYUAN, GUANGDONG, CHINA.

Below information submitted by the applicant:

Product Name : Container
Model : /
Reference info. : /
Manufacturer info. : /
Supplier info. : /
Buyer info. : /
Country of Destination : /
Country of Origin : China

Sample Received : 08.10, 2022
Test Period : 08.10, 2022 - 08.20, 2022
Test Requirement : Refer to next pages
Test Method : Refer to next pages
Test Result : Refer to next pages
Test Conclusion : Refer to next pages

Signed for and on behalf of
Jordan Wang, General Manager
BU Chemical Compliance
TUV THURINGEN (SHANGHAI) CO., LTD.
Location: Shanghai

TÜV THÜRINGEN CHINA

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VERSION: 2022.01.01

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RESULT SUMMARY

As the applicant applied, for comply with US FDA 21CFR requirements on food contact materials.
Test items as below:

Test Items	Conclusion
1. Sec. 545.400 Pottery (Ceramics); Imported and Domestic - Cadmium Contamination (CPG 7117.06) & Sec. 545.450 Pottery (Ceramics); Imported and Domestic - Lead Contamination (CPG 7117.07). - Leachable Lead(Pb) & Cadmium(Cd)	PASS
2. Specific wood/bamboo materials in acc. to 21CFR 178.3800 - pentachlorophenol content	PASS
3. For silicone materials in acc. to 21CFR 177.2600 - Total extractives	PASS

SAMPLE DESCRIPTION

Sample description	1#.	Glass container
	2#.	Bamboo cover
	3#.	wood cover
	4#.	Semi-transparent silicone sealer

TEST RESULTS

1. Specific requirements for Glass materials

1.1. CPG 7117.06& CPG 7117.07 - Leachable Lead(Pb)&Cadmium(Cd)

Method: With reference to ASTM C738-94(2016) , analyzed by Atomic Absorption Spectrometer (AAS) / Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES).

Test items		Units	MDL	Test results	Permissible limit
				1#	
Leachable Lead	1	mg/L	0.1	n.d.	≤2.0
	2	mg/L	0.1	n.d.	
	3	mg/L	0.1	n.d.	
	4	mg/L	0.1	n.d.	
	5	mg/L	0.1	n.d.	
	6	mg/L	0.1	n.d.	
Leachable Cadmium	1	mg/L	0.01	n.d.	≤0.5
	2	mg/L	0.01	n.d.	
	3	mg/L	0.01	n.d.	
	4	mg/L	0.01	n.d.	
	5	mg/L	0.01	n.d.	
	6	mg/L	0.01	n.d.	
Comment(s)		---	---	PASS	---

Permissible limits for articles

Category	Criteria	Lead(Pb) (mg/L)	Cadmium(Cd) (mg/L)
Flatware	Average of 6 units	3.0	0.5

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Category	Criteria	Lead(Pb) (mg/L)	Cadmium(Cd) (mg/L)
Small Hollowware other than cups and mugs	Any one of 6 units	2.0	0.5
Cups/mugs	Any one of 6 units	0.5	
Large Hollowware other than pitchers	Any one of 6 units	1.0	0.25
Pitchers	Any one of 6 units	0.5	

2. Specific requirements for wood/bamboo materials

2.1. PCP, pentachlorophenol content

Test Method: with reference to 21CFR 178.3800, analyzed by GCMS

Test Items	Units	MDL	Test Results		Permissible Limit
			2#	3#	
PCP(Pentachlorophenol) content	mg/kg	0.05	n.d.	n.d.	5, max

3. Special requirements for Silicones

3.1. Total extractives in acc. to 21CFR 177.2600 for silicone rubber materials

Test Method: with reference to 21CFR 177.2600

Test Items	Test Results	Permissible Limit
	4#	
Test Media	Distilled Water	---
Temperature, °F	Reflux temperature	---
First 7 hours, total extractives, mg/inch ²	3/6	20, max
Succeeding 2hours, total extractives, mg/inch ²	0.34	1, max
Comment(s)	PASS	---

Test Items	Test Results	Permissible Limit
	4#	
Test Media	n-Hexane	---
Temperature, °F	Reflux temperature	---
First 7 hours, total extractives, mg/inch ²	85.2	175, max
Succeeding 2hours, total extractives, mg/inch ²	1.1	4, max
Comment(s)	PASS	---

***** To be continued *****

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Note,

%, percentage; mg, milligrams; g, grams; kg, kilograms
mg/kg = milligrams per kilograms; mg/L = milligrams per litre
0.1% = 1000mg/kg = 1000mg/L
< = less than; > = greater than
MDL = method detection limit
n.d. = not detected, < MDL
n.a. = not applicable
n.r. = not required
EX = abbr. of Exempted

***** To be continued *****



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SAMPLE IMAGE



Tested samples



Tested samples



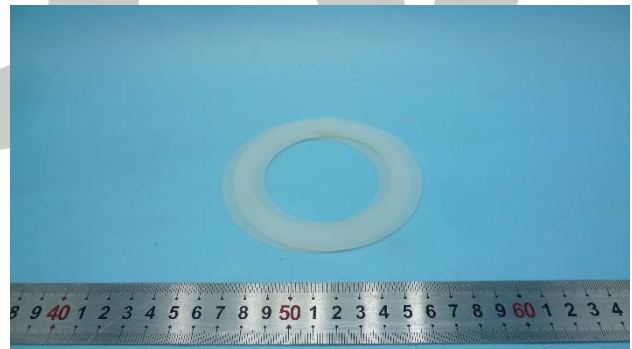
1#



2#



3#



4#

***** END OF REPORT *****