

Test Report No.: 68.431.25.1648.01AR1

Dated: 2025-04-25



Applicant : Bibo Brands
Torenplein 7.16.1 3500 Hasselt, Belgium

Sample Description : Kambukka Etna

Style No. / Name / Design No. : 12-01030 / 12-01031

PO No. / Order No. : IO24-0069

Country of Origin : China

Test Sample Receipt Date, Location : 2025-03-27, 2025-04-01, 2025-04-15, Shenzhen

Test Period, Location : From 2025-03-27 to 2025-04-15, Shenzhen

Test Result(s) : Refer to Section 3



Regd. Office:

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuv sud.com

Web : <http://www.tuv sud.cn>

Lab 1 - Chemical testing and
part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & mechanical
testing

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

Test Report No.: 68.431.25.1648.01AR1

Dated: 2025-04-25



Purpose Of Examination / Conclusion:

No.	Test Item(s)	Conclusion
1	FDA CFR Title 21 Part 177.1210 Test for compliance with the selected requirement(s) in U.S. F.D.A. C.F.R. 21. Part 177.1210	Pass
2	FDA CFR Title 21 Part 177.1520 Test for compliance with the selected requirement(s) in U.S. F.D.A. C.F.R. 21. Part 177.1520	Pass
3.	FDA CFR Title 21 Part 177.1500 (Excluding Specific Gravity) Test for compliance with the selected requirement(s) in U.S. F.D.A. C.F.R. 21. Part 177.1500 (for nylon resins in contact with food)	Pass
4	FDA CFR Title 21 Part 177.2470 Test for compliance with the selected requirement(s) in U.S. F.D.A. C.F.R. 21. Part 177.2470	Pass
5	Total Chromium Content Test for compliance with the selected requirement(s) in the General Recognized As Safe (GRAS) specification according to United State Food and Drug Administration (US FDA) Regulations on stainless steel	Pass

Remarks:

- (1) The results relate only to the items tested.
- (2) Samples are tested as received.
- (3) The test item and samples were specified by the client
- (4) "Pass" means the measured result is within a limit, even when extended by expanded uncertainty. "Fail" means the measured result is beyond a limit, even when extended by expanded uncertainty. "Inconclusive" means the measured result can be within or beyond a limit when extended by expanded uncertainty. The confidence level of the expended uncertainty for "Pass", "Fail" and "Inconclusive" is 95%.
- (5) This report supersedes previous report 68.431.25.1648.01A issued on 2025-04-24.

Regd. Office:

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
Shenzhen, Guangdong, China

Phone: +86 755 8828 6998
Fax: +86 755 8828 5299
E-mail: info@tuvsud.com
Web : <http://www.tuvsud.cn>

Lab 1 - Chemical testing and
part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & mechanical
testing

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

Test Report No.: 68.431.25.1648.01AR1

Dated: 2025-04-25



TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
TÜV SÜD Group

Prepared by:

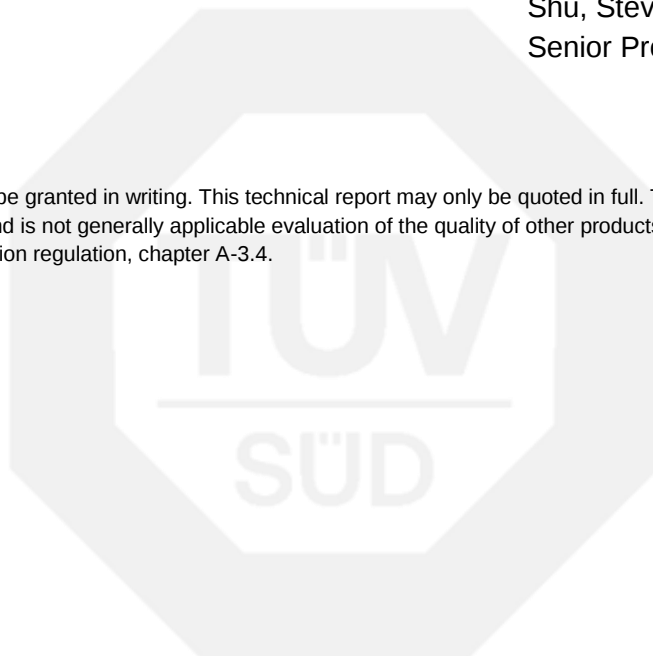
Reviewed by:



Huang, Jessica
Project Manager

Shu, Steven
Senior Project Coordinator

Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production. For further details, please see testing and certification regulation, chapter A-3.4.



Regd. Office:

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuvsud.com

Web : <http://www.tuvsud.cn>

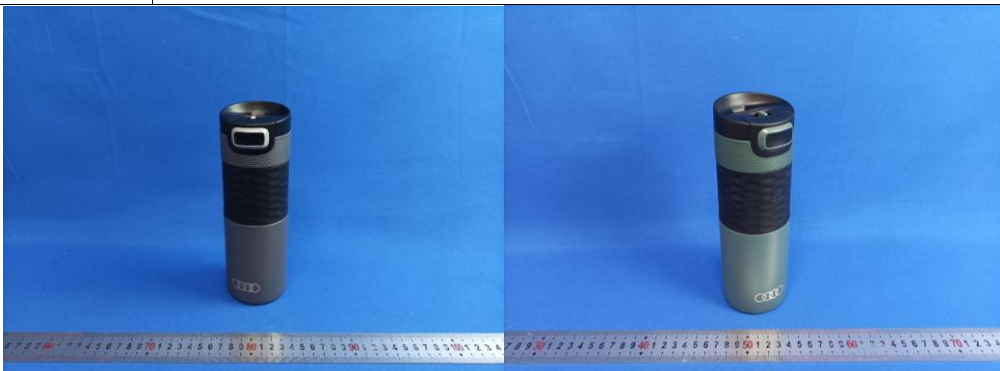
Lab 1 - Chemical testing and
part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & mechanical
testing

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

1. Description of the Test Sample:

Sample Description	Kambukka Etna
	

2. List of Materials as identified by the Laboratory:

T. No.	Sample No.	Colour and Description	Photograph
T1	002	Black HTPP-CO plastic (Lid & lid base)	
T2	003	Black plastic (Snapclean lever)	

Regd. Office:

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
 Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuvsud.com

Web : http://www.tuvsud.cn

Lab 1 - Chemical testing and
 part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & mechanical
 testing

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

T. No.	Sample No.	Colour and Description	Photograph
T3	004	Black silicone (Sealing ring)	
T4	005	Grey silicone (Spout seal)	
T5	006	Dark green silicone (Spout seal)	

Regd. Office:

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
 Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuv sud.comWeb : <http://www.tuv sud.cn>

Lab 1 - Chemical testing and
 part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & mechanical
 testing

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

T. No.	Sample No.	Colour and Description	Photograph
T6	007	Black POM plastic (Snapclean holder)	
T7	008	Grey POM plastic (Button)	
T8	009	Grey green POM plastic (Button)	

Regd. Office:

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
 Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
 Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

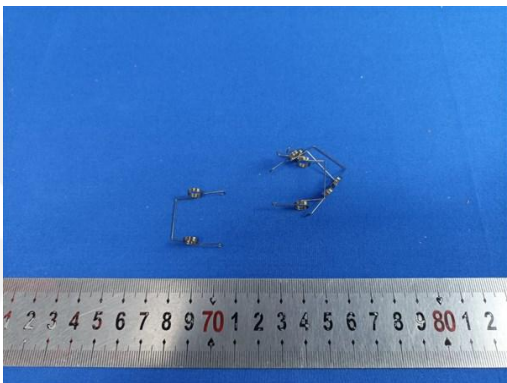
E-mail: info@tuv sud.cnWeb : <http://www.tuv sud.cn>

Lab 1 - Chemical testing and
 part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & mechanical
 testing

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

T. No.	Sample No.	Colour and Description	Photograph
T9	010	Silvery 304 stainless steel metal (Interior of bottle)	
T10	012	Dull silvery metal (Small spring) (Spring 2)	

Regd. Office:

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
Shenzhen, Guangdong, China

Phone: +86 755 8828 6998

Fax: +86 755 8828 5299

E-mail: info@tuvsud.com

Web : <http://www.tuvsud.cn>

Lab 1 - Chemical testing and
part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & mechanical
testing

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

3. Test Result

3.1 FDA CFR Title 21 Part 177.1210

Test for compliance with the selected requirement(s) in U.S. F.D.A. C.F.R. 21. Part 177.1210

TEST ITEMS	TEST CONDITIONS	RESULT [ppm]			CFR Specification [ppm]
		SAMPLE 004	SAMPLE 005	SAMPLE 006	
Chloroform extractives in Distilled water	212°F for 0.5 Hours	<10	<10	<10	50
Chloroform extractives in 8% Ethanol	212°F for 0.5 Hours	<10	<10	<10	50
Conclusion		Pass	Pass	Pass	-

Note:

1. "ppm" denotes part per million
2. "<" denotes less than
3. "°F" denotes degree Fahrenheit
4. The specification is quoted from U.S. F.D.A. C.F.R. 21. Part 177.1210



Regd. Office:

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
Shenzhen, Guangdong, China

Phone: +86 755 8828 6998
Fax: +86 755 8828 5299
E-mail: info@tuv sud.com
Web : http://www.tuv sud.cn

Lab 1 - Chemical testing and
part of electrical testing
Lab 2 - Physical & mechanical
testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China
Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China



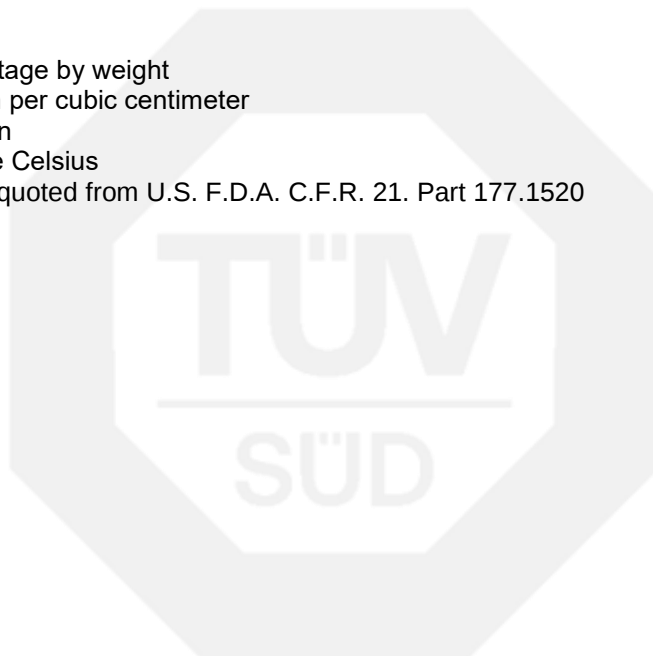
3.2 FDA CFR Title 21 Part 177.1520

Test for compliance with the selected requirement(s) in U.S. F.D.A. C.F.R. 21. Part 177.1520

TEST ITEMS	RESULTS	CFR Specification [PP/PE Copolymer]
	SAMPLE 002	
Density [g/cc]	0.917	0.85 - 1.00
Maximum extractive in n-hexane 50°C for 2 hours [%]	1.85	5.5
Maximum extractive in xylene after reflux for 2 hours and 25°C for 1 hour [%]	13.07	30
Conclusion	Pass	-

Note:

1. “%” denotes percentage by weight
2. “g/cc” denotes gram per cubic centimeter
3. “<” denotes less than
4. “°C” denotes degree Celsius
5. The specification is quoted from U.S. F.D.A. C.F.R. 21. Part 177.1520



Regd. Office:

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
Shenzhen, Guangdong, China

Phone: +86 755 8828 6998
Fax: +86 755 8828 5299
E-mail: info@tuv sud.com
Web : http://www.tuv sud.cn

Lab 1 - Chemical testing and
part of electrical testing
Lab 2 - Physical & mechanical
testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China
Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

3.3 FDA CFR Title 21 Part 177.1500 (Excluding Specific Gravity)

Test for compliance with the selected requirement(s) in U.S. F.D.A. C.F.R. 21. Part 177.1500 (for nylon resins in contact with food)

TEST ITEMS	RESULTS	CFR Specification [Nylon 66]
	SAMPLE 003	
Melting Point Range [°F]	480-494	475 - 495
Solubility in boiling 4.2N HCl	Dissolves in 1 hour	Dissolves in 1 hour
Maximum extractive in Distilled Water under reflux for 8 hours[%]	0.26	1.5
Maximum extractive in 95% ethanol under reflux for 8 hours[%]	0.20	1.5
Maximum extractive in Ethyl Acetate under reflux for 8 hours[%]	<0.05	0.2
Maximum extractive in Benzene under reflux for 8 hours[%]	<0.05	0.2
Conclusion	Pass	-

Note:

1. "g/mL" denotes gram per milliliter
2. "%" denotes percent by weight
3. "<" denotes less than
4. "°F" denotes degree Fahrenheit
5. The specification is quoted from U.S. F.D.A. C.F.R. 21. Part 177.1500

Regd. Office:

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
Shenzhen, Guangdong, China

Phone: +86 755 8828 6998
Fax: +86 755 8828 5299
E-mail: info@tuv sud.com
Web : http://www.tuv sud.cn

Lab 1 - Chemical testing and
part of electrical testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China

Lab 2 - Physical & mechanical
testing

Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China

3.4 FDA CFR Title 21 Part 177.2470

Test for compliance with the selected requirement(s) in U.S. F.D.A. C.F.R. 21. Part 177.2470

TEST ITEMS	TEST CONDITIONS	RESULTS			CFR Specification [POM-Copolymer]
		SAMPLE 007	SAMPLE 008	SAMPLE 009	
Chloroform Extractive in Distilled water[mg/in ²]	212°F for 0.5 Hours	<0.1	<0.1	<0.1	0.5
Chloroform Extractive in 8% Ethanol [mg/in ²]	212°F for 0.5 Hours	<0.1	<0.1	<0.1	0.5
Reflux extractive in Distilled water[%]	Reflux for 6 hours	<0.05	<0.05	<0.05	0.2
Reflux extractive in n-heptane[%]	Reflux for 6 hours	0.05	0.05	<0.05	0.15
Conclusion		Pass	Pass	Pass	-

Note:

1. "mg/in²" denotes milligram per square inch
2. "%" denotes percentage by weight
3. "<" denotes less than
4. "°F" denotes degree Fahrenheit
5. The specification is quoted from U.S. F.D.A. C.F.R. 21. Part 177.2470

Regd. Office:

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
Shenzhen, Guangdong, China

Phone: +86 755 8828 6998
Fax: +86 755 8828 5299
E-mail: info@tuv sud.com
Web : http://www.tuv sud.cn

Lab 1 - Chemical testing and
part of electrical testing
Lab 2 - Physical & mechanical
testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China
Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China



3.5 Total Chromium Content

Test for compliance with the selected requirement(s) in the General Recognized As Safe (GRAS) specification according to United State Food and Drug Administration (US FDA) Regulations on stainless steel

Test Method: Digested by acid and analyzed by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES)

Analyte	Results [%]	
	Sample 010	Sample 012
Total Chromium(Cr)	18.72	17.33
Limit	Not less than 16	
Conclusion	Pass	Pass

Note:

- “%” denotes percentage by weight

-- END OF TEST REPORT--



Regd. Office:

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District,
Shenzhen, Guangdong, China

Phone: +86 755 8828 6998
Fax: +86 755 8828 5299
E-mail: info@tuv sud.com
Web : <http://www.tuv sud.cn>

Lab 1 - Chemical testing and
part of electrical testing
Lab 2 - Physical & mechanical
testing

Building 12&13, Zhiheng Wisdomland Business Park, Guankou Erlu, Nantou, Nanshan District, Shenzhen, Guangdong, China
Building A2, Jin'ao Industrial Park, No. 150, Jingfang Road, Fuhai, Baoan District, Shenzhen, Guangdong, China