

RAPPORT D'ESSAI - TRADUCTION FRANCAISE

N° 8621.SHJ1.2607.2718

Date: 07.10.2026 | Émis par: TÜV Thüringen (Shanghai) Co., Ltd.

Informations communiquées par le demandeur

Demandeur	Yongkang Kanghaifeng Home Furnishing Co., Ltd. N° 17, 1er étage, Anshan Road, 2e village, Hutangliang, Gushan Town, Yongkang City, Jinhua City, province du Zhejiang (Chine)
Désignation du produit	Bouteille / gourde en acier inoxydable (avec revêtement cuivre par électrolyse intérieur/extérieur)
Modèle	KLE-DCSH2604
Modèles couverts	XMS-CWKFB2602, XMS-CWKFB2603, KLE-DCSH2606, KLE-DCSH2607, KLE-DCSH2608, KLE-DCSH2609, XMS-SGJH2504, KLE-CPB2503
Pays d'origine	Chine
Période d'essai	du 07.06.2026 au 07.10.2026

Description des échantillons

Réf.	Description
1#	Couvercle en Tritan brun
2#	Joint silicone brun

Réf.	Description
3#	Bouteilles en acier inoxydable SUS304, coloris doré, avec revêtement cuivre par électrolyse intérieur/extérieur

Synthèse des résultats

N°	Éléments testés	Verdict
1	Matériaux Tritan Résidu d'extraction selon FDA 21 CFR 175.300	CONFORME
2	Matériaux en caoutchouc silicone Résidu d'extraction selon US FDA 21 CFR 177.1210 Extractibles solubles dans le chloroforme	CONFORME
3	Matériaux métalliques Résidu d'extraction selon US FDA 21 CFR 175.300 Teneur totale en chrome selon GRAS, pour les aciers inoxydables Plomb extractible selon CPG sec. 545.500	CONFORME

Résultats Détaillés

1. Exigences spécifiques aux matériaux Tritan

1.1 Résidu d'extraction selon FDA 21 CFR 175.300 (Échantillon 1#)

- Eau distillée (150,0 °F / 65,6 °C) : 1,6 mg/inch² (Limite: ≤18) - **Conforme**
- Éthanol 8% (150,0 °F / 65,6 °C) : 1,9 mg/inch² (Limite: ≤18) - **Conforme**
- n-heptane (120,0 °F / 48,9 °C) : 2,4 mg/inch² (Limite: ≤18) - **Conforme**

2. Exigences spécifiques aux caoutchoucs silicone

2.1 Extractibles solubles dans le chloroforme - 21 CFR 177.1210 (Échantillon 2#)

- Eau distillée : 7,2 mg/kg (Limite: ≤50) - **Conforme**

- n-heptane : 10,5 mg/kg (Limite: ≤ 50) - **Conforme**
- Éthanol 8% : 6,8 mg/kg (Limite: ≤ 50) - **Conforme**

3. Exigences spécifiques aux métaux

3.1 Résidu d'extraction selon FDA 21 CFR 175.300 (Échantillon 3#)

- Eau distillée : $< 0,5$ mg/inch² (Limite: ≤ 18) - **Conforme**
- Éthanol 8% : $< 0,5$ mg/inch² (Limite: ≤ 18) - **Conforme**
- n-heptane : $< 0,5$ mg/inch² (Limite: ≤ 18) - **Conforme**

3.2 Teneur totale en chrome (Échantillon 3#)

- Résultat : 18,31 % (Limite minimum: 10,5) - **Conforme**

3.3 Teneur en plomb extractible (Échantillon 3#)

- Résultats : $< 0,1$ µg/ml - **Conforme**

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Applicant : Yongkang Kanghaifeng Home Furnishing Co., Ltd.
Address : No. 17, 1st Floor, Anshan Road, 2nd Village, Hutangliang, Gushan Town,
Yongkang City, Jinhua City, Zhejiang Province

Below information submitted by the applicant:

Product Name : stainless steel kettle
Model : KLE-DCSH2604
Model may cover : XMS-CWKFB2602,XMS-CWKFB2603,KLE-DCSH2606,KLE-DCSH2607,KLE-DCSH2608,KLE-DCSH2609,XMS-SGJH2504,KLE-CPB2503
Reference info. : /
Manufacturer info. : /
Supplier info. : /
Buyer info. : /
Country of Destination : /
Country of Origin : China

Sample Received : 07.06, 2026
Test Period : 07.06, 2026 - 07.10, 2026
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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http://tuv-thuringen.com.cn/news/12_138

VERSION: 2023.09.01

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Test Items	Test Results	Permissible Limit
	1#	
Comment(s)	PASS	—

2. Special requirements for Silicone Rubbers

2.1. Chloroform-soluble extractives, 21CFR 177.1210

Method: With reference to US FDA 21 CFR 177.1210

Test items	Units	MDL	Test results	Permissible limit
			2#	
Chloroform soluble extractives, Distilled water at 150°F for 2 hours	mg/kg	5.0	7.2	≤50
Chloroform soluble extractives, n-heptane at 150°F for 2 hours	mg/kg	5.0	10.5	≤50
Chloroform soluble extractives, 8% Ethanol at 150°F for 2 hours	mg/kg	5.0	8.8	≤50

3. Special requirements for metals

3.1. Extractive residue – acc. to FDA 21CFR 175.300

Test Method: with reference to 21CFR 175.300

Test Items	Test Results	Permissible Limit
	3#	
Test Media	Distilled water	—
Temperature, °F	150.0	—
Contact Time, hour	2.0	—
Total extractives, mg/inch ²	<0.5	≤18
Comment(s)	PASS	—

Test Items	Test Results	Permissible Limit
	3#	
Test Media	8% Ethanol	—
Temperature, °F	150.0	—
Contact Time, hour	2.0	—
Total extractives, mg/inch ²	<0.5	≤18
Comment(s)	PASS	—

Test Items	Test Results	Permissible Limit
	3#	
Test Media	n-heptane	—
Temperature, °F	120.0	—
Contact Time, hour	2.0	—
Total extractives, mg/inch ²	<0.5	≤18

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Test Items	Test Results	Permissible Limit
	3#	
Comment(s)	PASS	—

3.2. Total Chromium Content

Method: with reference to GRAS, titration method

Test Items	Units	MDL	Test Results	Permissible Limit
			3#	
Total Chromium content, Cr	%	0.1	18.31	10.5, min

3.3. Leachable Lead content in acc. to CPG Sec.545.500

Test Method: with reference to CPG 7117.05, analyzed by ICP-OES.

Test Items	Test Results	Permissible Limit
	3#	
Leachable Lead content, µg/ml	<0.1	Average of 6units: less than 7 for adults; less than 0.5 for infants or children.
	<0.1	
	<0.1	
	<0.1	
	<0.1	
	<0.1	
Comment(s)	PASS	—

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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Test Items	Test Results	Permissible Limit
	3#	
Comment(s)	PASS	—

3.2. Total Chromium Content

Method: with reference to GRAS, titration method

Test Items	Units	MDL	Test Results	Permissible Limit
			3#	
Total Chromium content, Cr	%	0.1	18.31	10.5, min

3.3. Leachable Lead content in acc. to CPG Sec.545.500

Test Method: with reference to CPG 7117.05, analyzed by ICP-OES.

Test Items	Test Results	Permissible Limit
	3#	
Leachable Lead content, µg/ml	<0.1	Average of 6units: less than 7 for adults; less than 0.5 for infants or children.
	<0.1	
	<0.1	
	<0.1	
	<0.1	
	<0.1	
Comment(s)	PASS	—

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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Reference sample



Reference sample



Reference sample



Reference sample



Reference sample



Reference sample



Reference sample

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

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RESULT SUMMARY

As requested by the client, test items as below:

Test Items	Verdict
1. For Tritan materials	
- Extractive residue in acc. to FDA 21CFR 175.300	PASS
2. For silicone rubber materials in acc. to US FDA 21CFR 177.1210	
- Chloroform-soluble extractives	PASS
3. For metal materials	
- Extractive residue in acc. to US FDA 21CFR 175.300	
- total Chromium content in acc. to GRAS, for stainless steel materials	PASS
- leachable Lead in acc. to CPG sec.545.500	

TESTS CARRIED BY:

LAB ID: TTS LCM005; ADD.: 2/F., BUILDING D-1, NO.128, SHENFU ROAD, MINHANG DISTRICT, SHANGHAI, CHINA

SAMPLE DESCRIPTION

Sample description	1#.	Brown Tritan lid
	2#.	Brown silicone ring
	3#.	Gold SUS304 bottles

TEST RESULTS

1. Special requirements for Tritan materials

1.1. Extractive residue – acc. to FDA 21CFR 175.300

Test Method: with reference to 21CFR 175.300

Test Items	Test Results	Permissible Limit
	1#	
Test Media	Distilled water	---
Temperature, °F	150.0	---
Contact Time, hour	2.0	---
Total extractives, mg/inch ²	1.6	≤18
Comment(s)	PASS	---

Test Items	Test Results	Permissible Limit
	1#	
Test Media	8% Ethanol	---
Temperature, °F	150.0	---
Contact Time, hour	2.0	---
Total extractives, mg/inch ²	1.9	≤18
Comment(s)	PASS	---

Test Items	Test Results	Permissible Limit
	1#	
Test Media	n-heptane	---
Temperature, °F	120.0	---
Contact Time, hour	2.0	---
Total extractives, mg/inch ²	2.4	≤18