

ELEMENT ASIA LIMITED
 UNIT C, 18/F., MAI WAH IND, BLDG., 1-7 WAH SING ST., KWAI CHUNG,HONG KONG

Sample Description : 42 INCH BBQ CAMP FORK
 Item No. : G23211
 Country of Origin : CHINA

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

SGS Ref No. : CANHG2217771701
 Sample Receiving Date : Aug 18, 2022
 Test Performing Date : Aug 18, 2022 to Sep 13, 2022
 Test Performed : Selected test(s) as requested by applicant

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	FDA 21 CFR 175.300–Total extractive residues	PASS	/
	US FDA CPG Sec. 545.500 - Leachable Lead	See Results	/
	US FDA Generally Recognized As Safe (GRAS) Specifications and US CBA recommended specification – Stainless steel composition	PASS	/
	US FDA Generally Recognized As Safe (GRAS) Specifications in stainless steel-Total Chromium content	PASS	/

For further details, please refer to the following page(s)

Signed for and on behalf of
 SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch



Kitty Kang
 Authorized Signatory

scan to see the report



SDHL2208016494OT



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Test Result(s) :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN22-177717.001	Silvery metal fork	Stainless steel (SUS430)

FDA 21 CFR 175.300–Total extractive residues

Test Method : With reference to US FDA 21 CFR 175.300.

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 001 Total extractive residues</u>	<u>Comment</u>
8% Ethanol	2.0hr(s)	150°F	18mg/inch ²	<1mg/inch ²	PASS
n-Heptane	2.0hr(s)	150°F	18mg/inch ²	<1mg/inch ²	PASS
Distilled Water	2.0 hr(s)	250°F	18mg/inch ²	<1mg/inch ²	PASS

Notes :

mg/inch²= milligram per square inch



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US FDA CPG Sec. 545.500 - Leachable Lead

Test Method : With reference to AOAC 18th Ed. (2005) Section 973.32, analysis was performed by ICP-OES.

Sample 001 Metalware

	<u>Vol. of Leaching Solution(mL)</u>
1	82
2	82
3	82
4	82
5	82
6	82

	<u>leachable lead (µg/mL)</u>
1	<0.05
2	<0.05
3	<0.05
4	<0.05
5	<0.05
6	<0.05
Average	<0.05
Limit	7

Notes :

Limit = Reference limit. The test sample is out of scope of the standard.



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US FDA Generally Recognized As Safe (GRAS) Specifications and US CBA recommended specification – Stainless steel composition

Test Method : a. For Chromium, Nickel, Manganese, Silicon, Phosphorus , Molybdenum and Titanium content:
Acid digestion. Analysis was performed by ICP-OES or titration method.
b. For Carbon and Sulfur content: With reference to ASTM E1019-08

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
C	0.12	%(w/w)	-	0.03
S	0.030	%(w/w)	-	0.001
Si	1.0	%(w/w)	0.010	0.250
Cr	16–18	%(w/w)	0.01	16.65
Mn	1.00	%(w/w)	0.010	0.222
Ni	0.75	%(w/w)	0.010	0.156
P	0.040	%(w/w)	0.0100	0.0181
Comment				PASS

Notes :

1. % w/w = percentage of weight by weight
2. ND = Not Detected
3. "-" = Not Applicable
4. These tests of C , S & N were subcontracted to SGS Shanghai lab.



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US FDA Generally Recognized As Safe (GRAS) Specifications in stainless steel-Total Chromium content

Test Method : SGS In-house method (GZTC CHEM-TOP-044-28 or GZTC CHEM-TOP-175-01), followed by ICP-OES or titration method.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Total Chromium	≥16	%(w/w)	0.01	17.01
Comment				PASS

Notes :

1. %(w/w) = percentage of weight by weight
2. MDL=Method Detection Limit
3. ND = Not Detected(less than MDL)

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w =0) stated in ILAC-G8:09/2019.



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Photo Appendix:



CANHG2217771701
CAN22-177717.001

Remark: This test was subcontracted to SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch.

End of Report

