

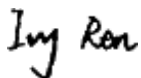
**The following sample(s) was/were submitted and identified on behalf of the clients as : STAINLESS STEEL TUMBLER/ STAINLESS STEEL BOTTLE**

**SGS Job No. :** CP18-059066 - GZ  
**Date of Final Sample Received :** 02 Jan 2019  
**Date of Sample Received :** 01 Nov 2018  
**Testing Period :** 01 Nov 2018 - 07 Jan 2019  
**Test Requested :** Selected test(s) as requested by client.  
**Test Method :** Please refer to next page(s).  
**Test Results :** Please refer to next page(s).

**Result Summary :**

Test Requested	Conclusion
FDA 21 CFR 177.1210—Chloroform-soluble extractive residues	PASS
FDA 21 CFR 177.2600—Total extractive residues	PASS
FDA 21 CFR 177.1520—Maximum extractable fraction in n-Hexane	PASS
Stainless steel for food contact use in US -Total Chromium content (Cr)	PASS
FDA 21 CFR 177.1520—Maximum soluble fraction in xylene	PASS
FDA 21 CFR 177.1520—Density at 23°C	PASS

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



**Ivy Ren**  
**Approved Signatory**



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**Test Results :**

**Test Part Description :**

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN18-226125.001	Silver-grey metal	Stainless steel
SN2	CAN18-226125.003	Black plastic	PP
SN3	CAN18-226125.004	White silicone ring	Silicone
SN4	CAN18-226125.006	Black plastic	PP

**FDA 21 CFR 177.1210–Chloroform-soluble extractive residues**

**Test Method :** With reference to US FDA 21 CFR 177.1210.

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 004</u>	<u>Comment</u>
8% Ethanol	24.0hr(s)	120°F	50ppm	<5ppm	PASS
n-Heptane	0.5hr(s)	70°F	50ppm	11ppm	PASS
Distilled Water	24.0hr(s)	120°F	50ppm	<5ppm	PASS

**Notes :**

1. ppm = mg/kg = milligram per kilogram of foodstuff in contact with
2. Test sample was applied to container with capacity of 0.50L.

**FDA 21 CFR 177.2600–Total extractive residues**

**Test Method :** With reference to US FDA 21 CFR 177.2600.

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 004</u>	<u>Comment</u>
Distilled Water	7.0hr(s)	Reflux temperature	20mg/sq. in	<0.5mg/sq. in	PASS
Succeeding Extraction	2.0hr(s)	Reflux temperature	1mg/sq. in	<0.5mg/sq. in	PASS
n-Hexane	7.0hr(s)	Reflux temperature	175mg/sq. in	8.0mg/sq. in	PASS
Succeeding Extraction	2.0hr(s)	Reflux temperature	4mg/sq. in	<0.5mg/sq. in	PASS

**Notes :**

mg/inch<sup>2</sup>= milligram per square inch



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**FDA 21 CFR 177.1520–Maximum extractable fraction in n-Hexane**

**Test Method :** With reference to US FDA 21 CFR 177.1520 d(3)(ii).

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 003</u>	<u>Comment</u>
n-Hexane	2hr(s)	50°C	5.5%(w/w)	<0.5%(w/w)	PASS

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 006</u>	<u>Comment</u>
n-Hexane	2hr(s)	50°C	5.5%(w/w)	<0.5%(w/w)	PASS

**Notes :**

%w/w = percentage of weight by weight

**Stainless steel for food contact use in US -Total Chromium content (Cr)**

**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 (%w/w)	≥ 10.5	%(w/w)	0.01	18.53
Comment				PASS

**Notes :**

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

**FDA 21 CFR 177.1520–Maximum soluble fraction in xylene**

**Test Method :** With reference to US FDA 21 CFR 177.1520 d(4)(ii).

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>003</u>	<u>006</u>
Soluble fraction in Xylene	30	%(w/w)	0.5	2.0	2.1
Comment				PASS	PASS

**Notes :**



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**%w/w = percentage of weight by weight**

**FDA 21 CFR 177.1520–Density at 23°C**

**Test Method : With reference to US FDA 21 CFR 177.1520 d(1).**

<u>Test Item(s)</u>	<u>Limit</u>	<u>003</u>	<u>006</u>
Density at 23°C, g/ cm <sup>3</sup>	0.850-1.000	0.906	0.905
Comment		PASS	PASS

**Remark: Results and photo(s) of this report refer to test report CANEC1822612504**



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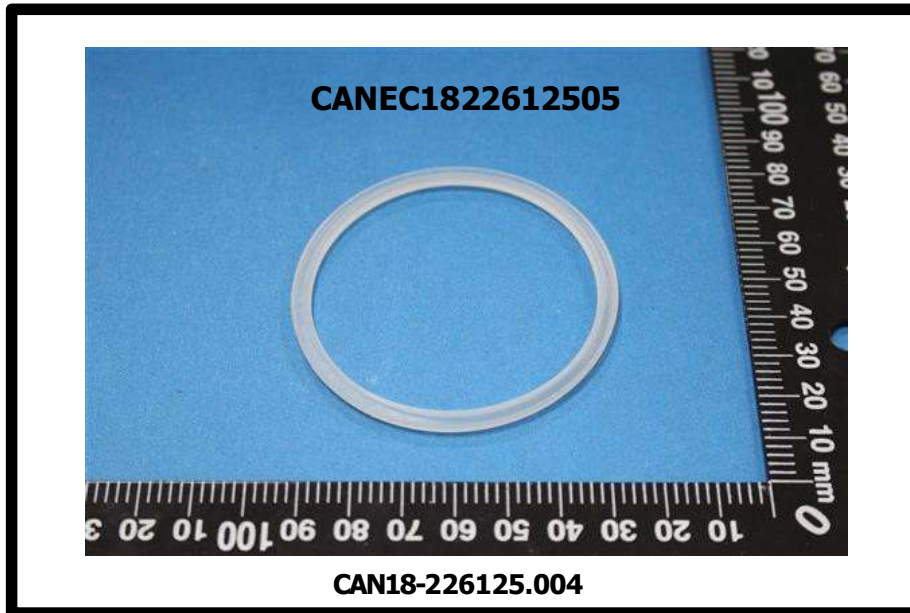
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**Sample photo:**



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SGS authenticate the photo on original report only

\*\*\* End of Report \*\*\*



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