

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

SGS Job No. :

Date of Sample Received : 19 Jul 2017

Testing Period : 19 Jul 2017 - 26 Jul 2017

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 extractives	PASS
FDA 21 CFR 177.1520- Extractable fraction	PASS
FDA 21 CFR 177.1520- Soluble fraction	PASS
US FDA Generally Recognized As Safe (GRAS) Specifications –Total Chromium content in stainless steel	PASS
FDA 21 CFR 177.1520- Density at 23°C	PASS

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Serena Wang  
Approved Signatory

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# Test Report

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1		Silvery stainless steel bottle	Stainless steel
SN2		Black plastic cap	PP
SN3		Translucent silicone rubber ring	Silicone rubber

## FDA 21 CFR 177.1210-Chloroform soluble extractives

Test Method : With reference to FDA 21 CFR 177.1210

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 003 Chloroform-solubl e extractives</u>	<u>Conclusion</u>
8% Ethanol	2hr(s)	150°F	50ppm	<5ppm	PASS
Distilled Water	2hr(s)	150°F	50ppm	<5ppm	PASS

## FDA 21 CFR 177.1520- Extractable fraction

Test Method : With reference to 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 002</u>	<u>Conclusion</u>
n-hexane	2hr(s)	50°C	5.5% (w/w)	<0.5% (w/w)	PASS

## FDA 21 CFR 177.1520- Soluble fraction

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

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 002</u>	<u>Conclusion</u>
Xylene	-	25°C	30% (w/w)	1.6% (w/w)	PASS

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

Test Method : Titration method



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<u>Test Item(s)</u>	<u>Limit</u>	<u>001</u>
Total Chromium,%	≥16	18.3
<b>Conclusion</b>		<b>PASS</b>

## FDA 21 CFR 177.1520- Density at 23°C

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

<u>Test Item(s)</u>	<u>Limit</u>	<u>002</u>
Density at 23°C, g/ cm <sup>3</sup>	0.85-1.00	0.90
<b>Conclusion</b>		<b>PASS</b>



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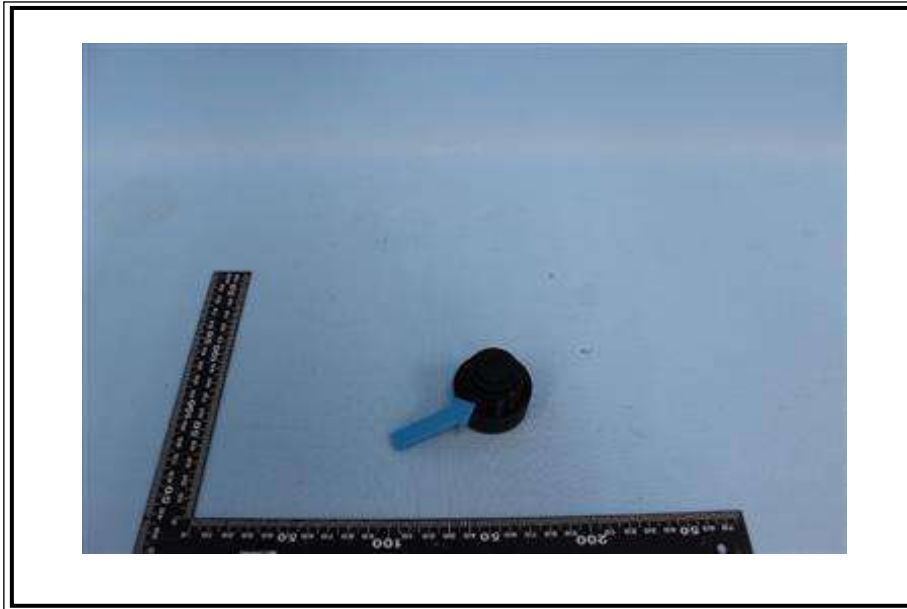
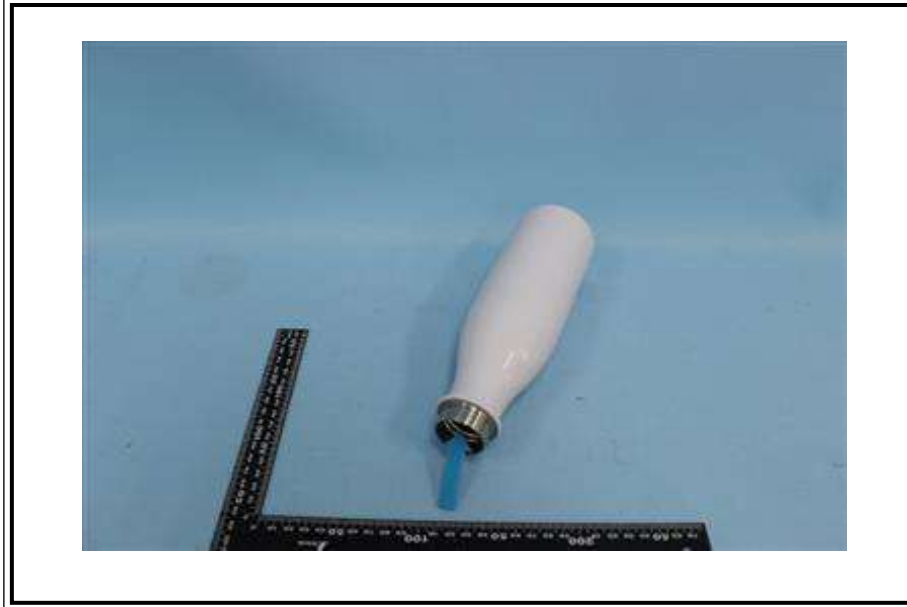
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Sample photo:



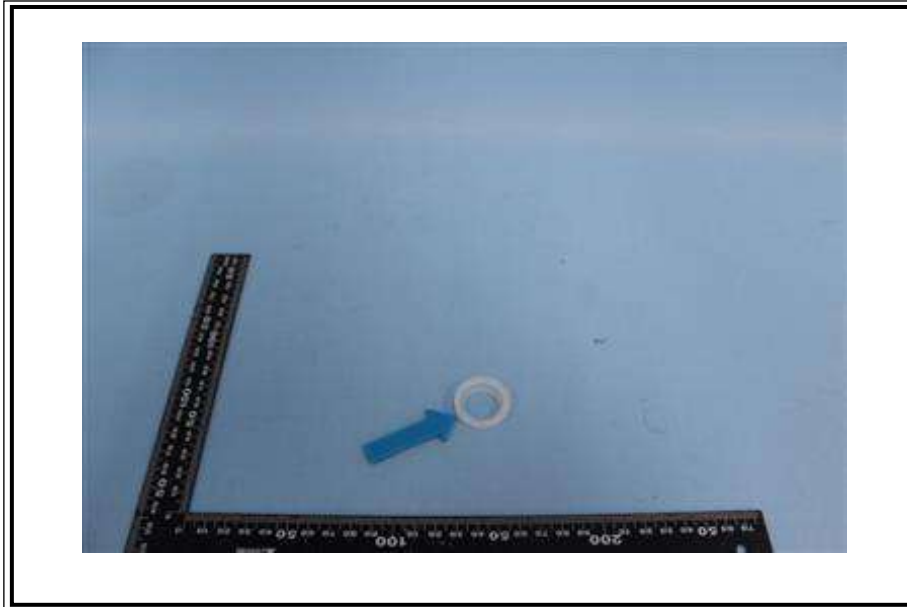
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