

## Test Report

No.: NGBHL24003272702

Date: Jun 27, 2024

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Client Name: TIROFLX (NINGBO) TRADE CO., LTD

Client Address: ROOM 801, NO.10 BUILDING NORTH BANK FORTUNE CENTER, JIANGBEI DISTRICT, NINGBO

Sample Description: WATER BOTTLE

Item No.: UI.10100209 ; UI.10100210 ; UI.10100211 ; UI.10100212 ; UI.10100213 ;  
UI.10100214 ; UI.10100215 ; UI.10100216

Buyer: UNIVERSAL IMPORT U.M.I LTD.

The above sample(s) and information were provided by the client.

SGS No.: NBHL2406011843CW

Sample Receiving Date: Jun 13, 2024

Testing Period: Jun 13, 2024 ~ Jun 27, 2024

Test Requested: Select test(s) as requested by the client.

Testing Performed: Follow selected test(s) as requested by client.

	Test Requirement	Comment
1	US FDA Generally Recognized As Safe(GRAS)specification - Total Chromium content in stainless steel	Pass
2	US FDA 21 CFR 177.1520 - Density at 23°C	Pass
3	US FDA 21 CFR 177.1520 - Extractable fraction	Pass
4	US FDA 21 CFR 177.1520 - Soluble fraction in Xylene	Pass
5	US FDA 21 CFR 177.2600 - Total Extractives	Pass
6	US FDA 21 CFR 177.1210 - Chloroform-Soluble Extractives	Pass

Signed for and on behalf of

SGS-CSTC Standards Technical Services Co., Ltd. Ningbo Branch

Hedy Hu

Hedy Hu

Approved Signatory

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## Test Result(s):

### Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	A1	NGB24-0032727-0001.C001	Silvery metal bottle inner	304 STAINLESS STEEL
SN2	A3	NGB24-0032727-0001.C003	Milky silicone rubber ring	SILICONE RUBBER
SN3	A4	NGB24-0032727-0001.C004	Transparent silicone rubber nozzle	SILICONE RUBBER
SN4	A5	NGB24-0032727-0001.C005	Yellow silicone rubber straw	SILICONE RUBBER
SN5	A6	NGB24-0032727-0001.C006	Milky plastic straw(short)	PE
SN6	A7	NGB24-0032727-0001.C007	Milky plastic straw(medium)	PE
SN7	A8	NGB24-0032727-0001.C008	Milky plastic straw(long)	PE
SN8	A9	NGB24-0032727-0001.C009	Black plastic lid	PP COPOLYMER

### Remarks:

- (1) mg/dm<sup>2</sup> = milligram per square decimeter  
mg/inch<sup>2</sup> = milligram per square inches  
μg/cm<sup>2</sup> = microgram per square centimeter  
mg/L = milligram per litre  
mg/kg = milligram per kilogram
- (2) °C = degree Celsius  
°F = degree Fahrenheit
- (3) <= less than
- (4) RL = Reporting Limit
- (5) ND = Not Detected (< RL).

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

**Test Method:** Acid digestion, analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit(s)	RL	A1
Total Chromium	≥16	%	0.01	19.8
<b>Comment</b>				<b>Pass</b>

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

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

Test Item(s)	Limit	Unit(s)	A6
Density at 23°C	0.85-1.00	g/cm <sup>3</sup>	0.914
<b>Comment</b>			<b>Pass</b>



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Test Item(s)	Limit	Unit(s)	A9
Density at 23°C	0.85-1.00	g/cm <sup>3</sup>	0.904
Comment			Pass

## US FDA 21 CFR 177.1520 - Extractable fraction

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

Simulant used	Test Condition	Limit	Unit(s)	RL	A7	Comment
n-Hexane	50°C, 2 hrs	5.5	%(w/w)	0.5	1.0	Pass

Simulant used	Test Condition	Limit	Unit(s)	RL	A9	Comment
n-Hexane	50°C, 2 hrs	5.5	%(w/w)	0.5	ND	Pass

## US FDA 21 CFR 177.1520 - Soluble fraction in Xylene

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

Test Item(s)	Limit	Unit(s)	RL	A8
Soluble Fraction in Xylene	11.3	%(w/w)	0.5	1.9
Comment				Pass

Test Item(s)	Limit	Unit(s)	RL	A9
Soluble Fraction in Xylene	30	%(w/w)	0.5	6.6
Comment				Pass

## US FDA 21 CFR 177.2600 - Total Extractives

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

Simulant used	Test Condition	Limit	Unit(s)	RL	A4	Comment
Distilled water	Reflux Temperature 7.0 hrs	20	mg/inch <sup>2</sup>	0.5	ND	Pass
Distilled water Succeeding extraction	Reflux Temperature 2.0 hrs	1	mg/inch <sup>2</sup>	0.5	ND	Pass

Simulant used	Test Condition	Limit	Unit(s)	RL	A5	Comment
Distilled water	Reflux Temperature 7.0 hrs	20	mg/inch <sup>2</sup>	0.5	ND	Pass
Distilled water Succeeding extraction	Reflux Temperature 2.0 hrs	1	mg/inch <sup>2</sup>	0.5	ND	Pass

## US FDA 21 CFR 177.1210 - Chloroform-Soluble Extractives



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

Simulant used	Test Condition	Limit	Unit(s)	RL	A3	Comment
Distilled water	212°F, 0.5 hr	50	mg/kg	5	ND	Pass

### Notes:

(1) Test sample was applied to container with capacity of 0.750 L.

### Remark:

- (1) hr = hour
- (2) g/cm<sup>3</sup> = gram per cubic centimeter
- (3) %(w/w) = percentage of weight by weight
- (4) % = percentage of weight by weight
- (5) ≥ = great than or equal to

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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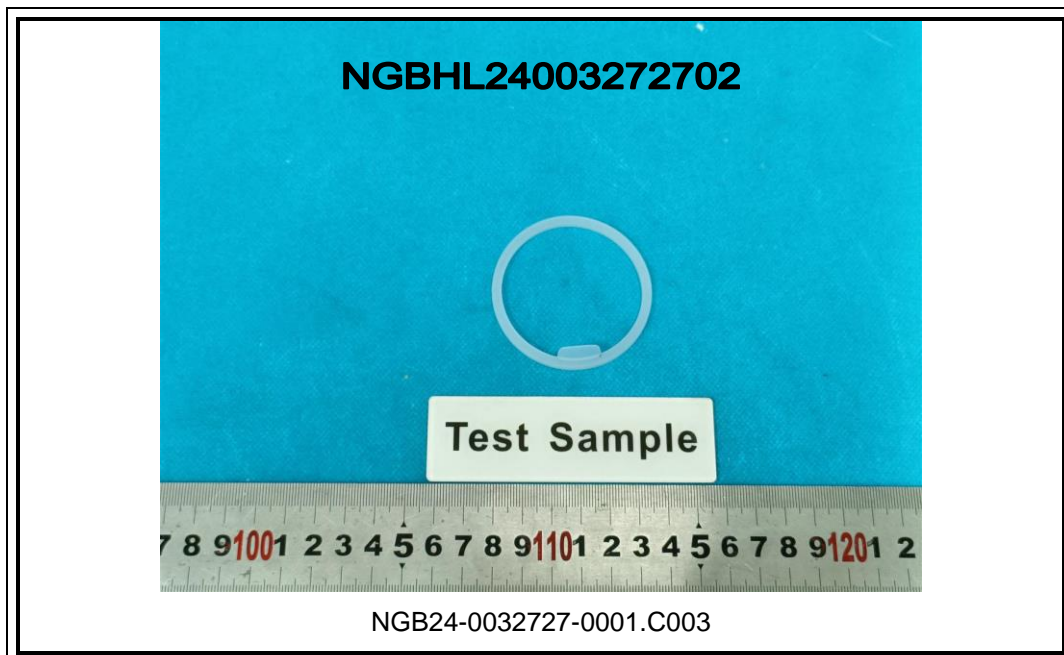
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Sample Photo:



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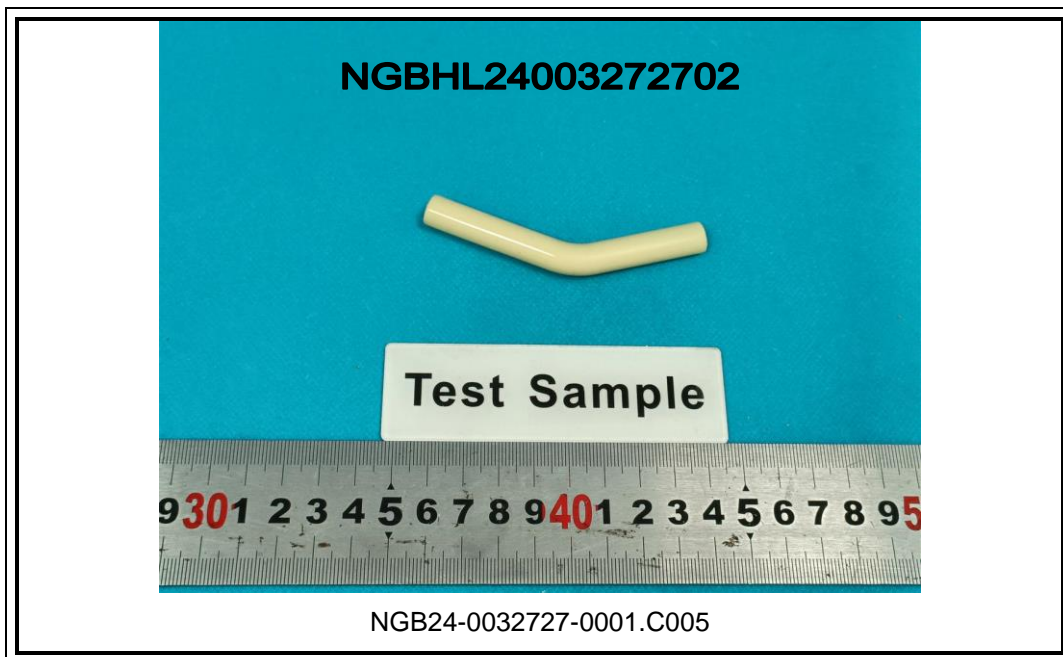
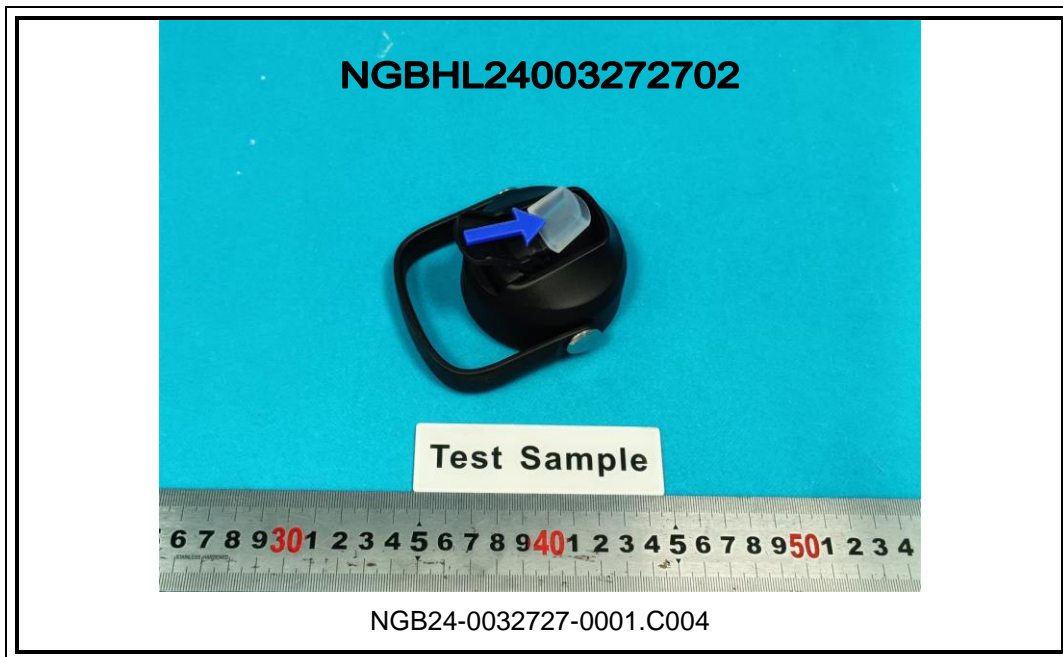
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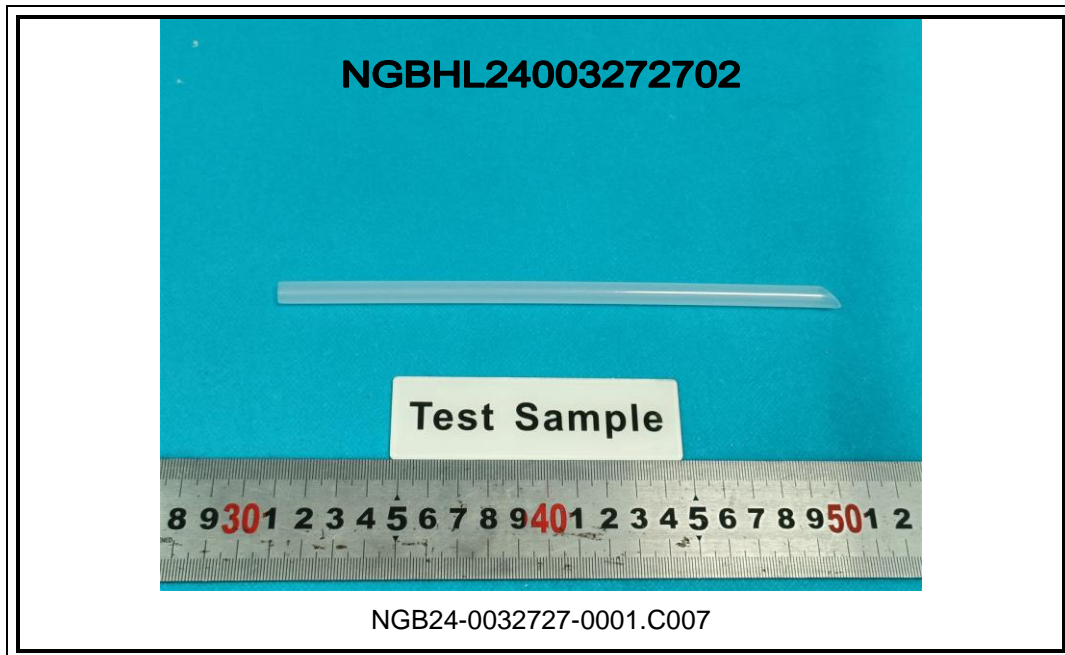
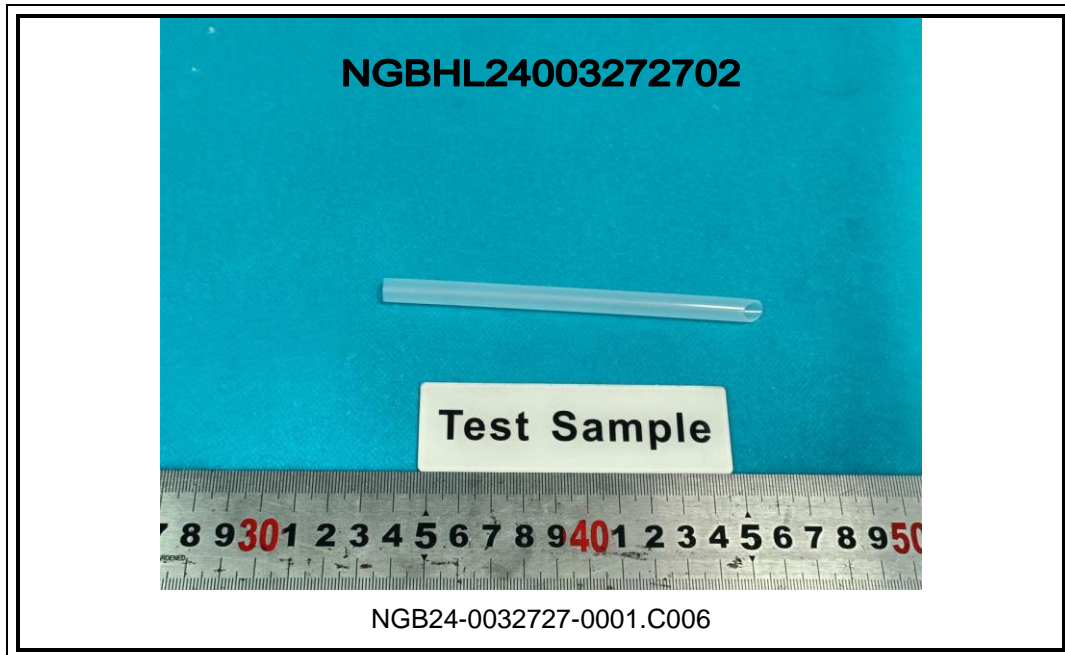


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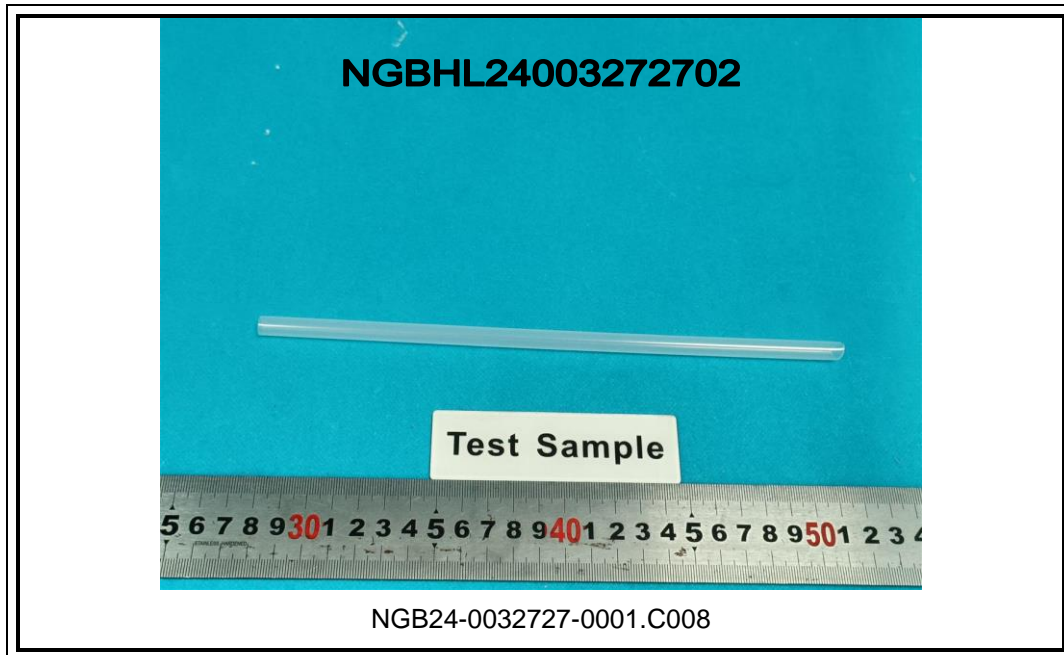
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