

TEST REPORT

Applicant : **Sichuan Sunlight Technology Co., Ltd.**
Address : No. 1016, Block C, Boya City Plaza, Xinyu Road, Chengdu, Sichuan Province, China

Report on the submitted sample said to be

Sample name : **Stainless steel drinkware**
Model : S001,S002,S003,S004,S005,S006,S007,S008,S009,S010,S011,S012,S013,S014,S015,S016,S017,S018,S019,S020,S021,S022,S023,S024,S025,S026,S027,S028,S029,S030,S031,S032,S033,S034,S035,S036,S037,S038,S039,S040,S041,S042,S043,S044,S045,S06,S047
Manufacturer : **Sichuan Sunlight Technology Co., Ltd.**
Address : No. 1016, Block C, Boya City Plaza, Xinyu Road, Chengdu, Sichuan Province, China
Laboratory name : **Shenzhen CDT Testing Technology Co., Ltd**
Testing address : Room 605, Building A, Huao Time Industrial Park, No. 170 Xingfa Road, Shangcun Community, Gongming Street, Guangming District, Shenzhen City, Guangdong Province
Sample received date : Jun.02, 2026
Testing period : Jun.02, 2026 - Jun.11, 2026

Test Sample	Testing Requested:	Results
Teapot	- German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB)	PASS
	- Sensorial examination odour and taste test	
	- Extractable components	
	- Lead and Cadmium .	
	- Volatile organic matter(VOM)	
	- Polynuclear Aromatic Hydrocarbons (PAHs) .	
	- Specific migration of Formaldehyde	
	- Pentachlorophenol(PCP)	
	- Specific Migration of Heavy Metals	
	- Release of Lead and Cadmium	

Signed for and on behalf of

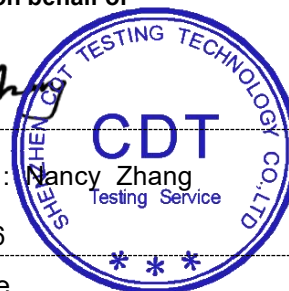


Nancy Zhang

Lab Manager : Nancy Zhang
Testing Service

Jun.11, 2026

Date of issue



Test Results:**Material List:**

No.	Sample	Description
001	The internal of the drinkware	304 stainless steel
002	The lid of the drinkware	PP&PS
003	The seal ring inside the lid	Silicone
004	Straw	PP

1. Sensory requirements - German food, Articles of Daily Use and Feed Code (LFGB), section 30&31 and BFR Recommendations

Method: DIN 10955:2004

Test Item(s)	Limit	Result				Conclusion
		<u>001</u>	<u>002</u>	<u>003</u>	<u>004</u>	
Sensorial examination odour	3	1	1	1	1	PASS
Sensorial examination taste	3	1	1	1	1	PASS

Note:

Scale evaluation:

0: No perceptible odour

1: Odour just perceptible (still difficult to define)

2: Moderate odour

3: Moderately strong odour

4: Strong odour

2. German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments and BfR recommendation –Extractable components

Test Requested : As specified by client, to determine Extractable components from Silicone rubber used in contact with food for compliance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments and BfR recommendation.

Test Method : 61st Communication on testing of plastics in Bundesgesundheitsblatt 46 (2003) 362]

<u>Simulant Used.</u>	<u>Time.</u>	<u>Temperature.</u>	<u>Max. Permissible Limit</u>	<u>Result of</u> <u>001+002+003+004+005</u> <u>Overall Migration</u>
10% Ethanol	12 hours	5°C	0.5% (w/w)	<0.1% (w/w)
3% acetic acid	12 hours	5°C	0.5% (w/w)	<0.1% (w/w)

Note:

1. %w/w = percentage of weight by weight
2. °C=Degree Celsius

3. German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments, European Commission Regulation (EU) No 10/2011, 1935/2004/EC with amendments and BfR recommendation–Lead and Cadmium

Test Requested : As specified by client, to determine Lead and Cadmium from the submitted sample used in contact with food for compliance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments, European Commission Regulation (EU) No 10/2011, 1935/2004/EC with amendments and BfR recommendation.

Test Method : With reference to US EPA Method 3052:1996(GZTC CHEM-TOP-004-01), analysis was performed by ICP-OES..

<u>Test Item(s).</u>	<u>Limit.</u>	<u>Unit.</u>	<u>MDL</u>	<u>001</u>	<u>002</u>	<u>003</u>	<u>004</u>
Cadmium (Cd).	Absent	mg/kg.	-2	N.D.	N.D.	N.D.	N.D.
Lead (Pb).	Absent	mg/kg.	2	N.D.	N.D.	N.D.	N.D.

Note:

1. mg/kg = milligram per kilogram of sample
2. MDL=Method Detection Limit
3. N.D.= Not Detected(less than MDL)
4. Permissible Limit is according to Commission Regulation (EU) No 10/2011,1935/2004/EC of 14 January 2011 with amendments and German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 and 31. Lead, Cadmium and their compounds are not listed for the production of plastic materials in contact with food.

4. German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments and BfR recommendation–Volatile organic matter (VOM).

Test Requested : As specified by client, to determine Volatile organic matter (VOM) content from Silicone rubber used in contact with food for compliance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments and BfR recommendation..

Test Method : With reference to 60. Mitteilung über die Untersuchung von Kunststoffen, Bundesgesundheitsbl 45 (2002) 462 and LFGB § 64 BVL B 80.30.1(EG).
Test condition: 105°C, 4h.

Test Item(s).	Limit.	Unit.	MDL	002	003	004
Volatile organic matter (VOM)	0.5	% (w/w).	0.1	N.D.	N.D.	N.D.
	0.5	% (w/w).	0.1	N.D.	N.D.	N.D.

Note:

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

5. German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments and BfR recommendation–Polynuclear Aromatic Hydrocarbons (PAHs).

Test Requested : As specified by client, to determine Polynuclear Aromatic Hydrocarbons (PAHs) from Silicone rubber used in contact with food for compliance with German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with amendments and BfR recommendation.

Test Method : With reference to ZEK 01.4-08 of German ZLS and its amendments, analysis was performed by GC-MS..

Test Item(s).	Unit.	MDL	001	002	003	004
Naphthalene(NAP) .	mg/kg.	0.2	N.D.	N.D.	N.D.	N.D.
Acenaphthylene(ANY) .	mg/kg.	0.2	N.D.	N.D.	N.D.	N.D.
Acenaphthene(ANA) .	mg/kg.	0.2	N.D.	N.D.	N.D.	N.D.
Fluorene(FLU).	mg/kg.	0.2	N.D.	N.D.	N.D.	N.D.
Phenanthrene(PHE) .	mg/kg.	0.2	N.D.	N.D.	N.D.	N.D.
Anthracene(ANT) .	mg/kg.	0.2	N.D.	N.D.	N.D.	N.D.
Fluoranthene(FLT)	mg/kg.	0.2	N.D.	N.D.	N.D.	N.D.
Pyrene(PYR)	mg/kg.	0.2	N.D.	N.D.	N.D.	N.D.
Benzo(a)anthracene(BaA) .	mg/kg.	0.2	N.D.	N.D.	N.D.	N.D.
Chrysene(CHR).	mg/kg.	0.2	N.D.	N.D.	N.D.	N.D.
Benzo(b)fluoranthene(BbF)	mg/kg.	0.2	N.D.	N.D.	N.D.	N.D.
Benzo(j)fluoranthene(BjF) .	mg/kg.	0.2	N.D.	N.D.	N.D.	N.D.
Benzo(k)fluoranthene(BkF) .	mg/kg.	0.2	N.D.	N.D.	N.D.	N.D.
Benzo(e)pyrene(BeP) .	mg/kg.	0.2	N.D.	N.D.	N.D.	N.D.
Benzo(a)pyrene(BaP) .	mg/kg.	0.2	N.D.	N.D.	N.D.	N.D.
Indeno(1,2,3-c,d)pyrene(IPY) .	mg/kg.	0.2	N.D.	N.D.	N.D.	N.D.
Dibenzo(a,h)anthracene(DBA)	mg/kg.	0.2	N.D.	N.D.	N.D.	N.D.
Benzo(g,h,i)perylene(BPE) .	mg/kg.	0.2	N.D.	N.D.	N.D.	N.D.
Sum of 18 PAHs .	mg/kg.	0.2	N.D.	N.D.	N.D.	N.D.

Note:

1. Test condition & simulant were specified by client.

6. Specific migration of Formaldehyde - German food, Articles of Daily Use and Feed Code(LFGB), section 30&31 and BFR Recommendations.

Method: With reference to CEN/TS 13130-23:2005,analyzed by Ultraviolet visible Spectroscopy (UV-Vis).

Material No.	Test Condition	Reporting Limit(mg/kg)	Limit (mg/kg)	Result (mg/kg)	Conclusion
001	3 % Acetic acid (v / v) , 100C , 2h	3.0	15	2.9	PASS
002		3.0	15	2.8	PASS
003		3.0	15	2.7	PASS
004		3.0	15	2.8	PASS

Note:

1. mg/kg = milligram per kilogram (ppm).

7. Pentachlorophenol(PCP) - German food, Articles of Daily Use and Feed Code(LFGB), section 30&31 and BFR Recommendations.

Method : LFGB § 64 BVL B 82.02.8 , analyzed by Gas Chromatography-mass Spectrometer (Gc-ms)

Substances	Pentachlorophenol (PCP)Location	Conclusion
CAS No	87-86-1	
Reporting Limit (mg/kg)	0.1	
Limit (mg/kg)	0.15	
Material No	Result(mg/kg)	
002	N.D.	PASS
003	N.D.	PASS
004	N.D.	PASS

Note:

1. mg/kg = milligram per kilogram (ppm).

2.N.D.=Not Detected(Less than Reporting Limit)

8. Specific Migration of Heavy Metals

Test Method: EN 13130-1: 2004 and analysis by Inductively Coupled Argon Plasma Spectrometer (ICP).

Test Condition: 3% acetic acid, 40°C, 2hours

Element	MDL	Unit	Results			Limit (mg/kg)
			001+002+003+004			
			1 st	2 nd	3 rd	
Barium (Ba)	0.1	mg/kg	N.D.	N.D.	N.D.	1
Cobalt (Co)	0.01	mg/kg	N.D.	N.D.	N.D.	0.05
Copper (Cu)	0.5	mg/kg	N.D.	N.D.	N.D.	5
Iron (Fe)	1.0	mg/kg	N.D.	N.D.	N.D.	48
Lithium (Li) (M)	0.1	mg/kg	N.D.	N.D.	N.D.	0.6
Manganese (Mn)	0.1	mg/kg	N.D.	N.D.	N.D.	0.6
Zinc (Zn)	1.0	mg/kg	N.D.	N.D.	N.D.	5*
Aluminum (Al)	0.1	mg/kg	N.D.	N.D.	N.D.	1*
Nickel (Ni)	0.01	mg/kg	N.D.	N.D.	N.D.	0.02
lead (Pb)	0.01	mg/kg	N.D.	N.D.	N.D.	0.1
Cadmium (Cd)	0.002	mg/kg	N.D.	N.D.	N.D.	0.002
Arsenic (As)	0.01	mg/kg	N.D.	N.D.	N.D.	0.01
Mercury (Hg)	0.01	mg/kg	N.D.	N.D.	N.D.	0.01
Chromium (Cr)	0.01	mg/kg	N.D.	N.D.	N.D.	0.01
Antimony (Sb)	0.01	mg/kg	N.D.	N.D.	N.D.	0.04
Lanthanum (La)	0.01	mg/kg	N.D.	N.D.	N.D.	0.05
Europium (Eu)	0.01	mg/kg	N.D.	N.D.	N.D.	0.05
Gadolinium (Gd)	0.01	mg/kg	N.D.	N.D.	N.D.	0.05
Terbium (Tb)	0.01	mg/kg	N.D.	N.D.	N.D.	0.05
Sum of all lanthanide substances (Eu+Gd+La+Tb)	-	mg/kg	N.D.	N.D.	N.D.	0.05

Note:

1. mg/kg = milligram per kilogram (ppm).

2.N.D.=Not Detected(Less than Reporting Limit)

9. Release of Lead and Cadmium

Method: With reference to BS EN 1388-1:1996, analyzed by Atomic Absorption Spectrometer (AAS) / Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES)

Material No.	Test Item	Limit (mg/L)	Result (mg/L)				Conclusion
			1	2	3	4	
001	Lead(Pb)	4.0	<0.1	<0.1	<0.1	<0.1	PASS
	Cadmium(Cd)	1.5	<0.01	<0.01	<0.01	<0.01	
002	Lead(Pb)	4.0	<0.1	<0.1	<0.1	<0.1	PASS
	Cadmium(Cd)	1.5	<0.01	<0.01	<0.01	<0.01	
003	Lead(Pb)	4.0	<0.1	<0.1	<0.1	<0.1	PASS
	Cadmium(Cd)	1.5	<0.01	<0.01	<0.01	<0.01	
004	Lead(Pb)	4.0	<0.1	<0.1	<0.1	<0.1	PASS
	Cadmium(Cd)	1.5	<0.01	<0.01	<0.01	<0.01	

Note:

1. Volume of 4% Acetic acid used 370 mL.
2. mg/L = milligram per liter.
3. Permissible limits for articles

Category	Flatware		Hollow-ware	
	Lead (mg/dm ²)	Cadmium (mg/dm ²)	Lead (mg/L)	Cadmium (mg/L)
Tableware and kitchen utensils, pottery, glass and glass ceramic	0.8	0.06	4.1	0.3
Cook and baking equipment, packaging containers, storage containers made of ceramics, glass and glass ceramic	0.4	0.04	1.3	0.1

10.Extractable Heavy Metals

Test Requested :

Test Method : Simulant Used :Test Condition :

In accordance with German Food, Articles of Daily Use and Feed Code of (LFGB), Section 30 and 31, Germany recommendation for metal

September 1, 2005

release for sample For material: Metal or metallic coating-Extractable Heavy Metals Samples were prepared at specific condition, followed by analysis using ICP-OES. 3% Acetic Acid (W/V) Aqueous Solution
100.0 °C 4.0 hr

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test Result			
				001	002	003	004
Extractable Lead	0.010	mg/dm ²	0.001	N.D.	N.D.	N.D.	N.D.
Extractable Cadmium	0.005	mg/dm ²	0.001	N.D.	N.D.	N.D.	N.D.
Extractable Chromium	0.45	mg/dm ²	0.01	N.D.	N.D.	N.D.	N.D.
Extractable Nickel	0.1	mg/dm ²	0.01	N.D.	N.D.	N.D.	N.D.
Extractable Copper	0.5	mg/dm ²	0.01	N.D.	N.D.	N.D.	N.D.
Extractable Antimony	0.1	mg/dm ²	0.1	N.D.	N.D.	N.D.	N.D.
Extractable Cobalt	0.1	mg/dm ²	0.1	N.D.	N.D.	N.D.	N.D.
Extractable Aluminium	0.3	mg/dm ²	0.03	N.D.	N.D.	N.D.	N.D.

Notes :

(1) mg/dm²=milligram per square decimeter

(2) N.D. = Not detected

(3) MDL = Method Detection Limit

(4) Test condition & simulant were specified by client

PHOTOGRAPH OF SAMPLE

Photo 1

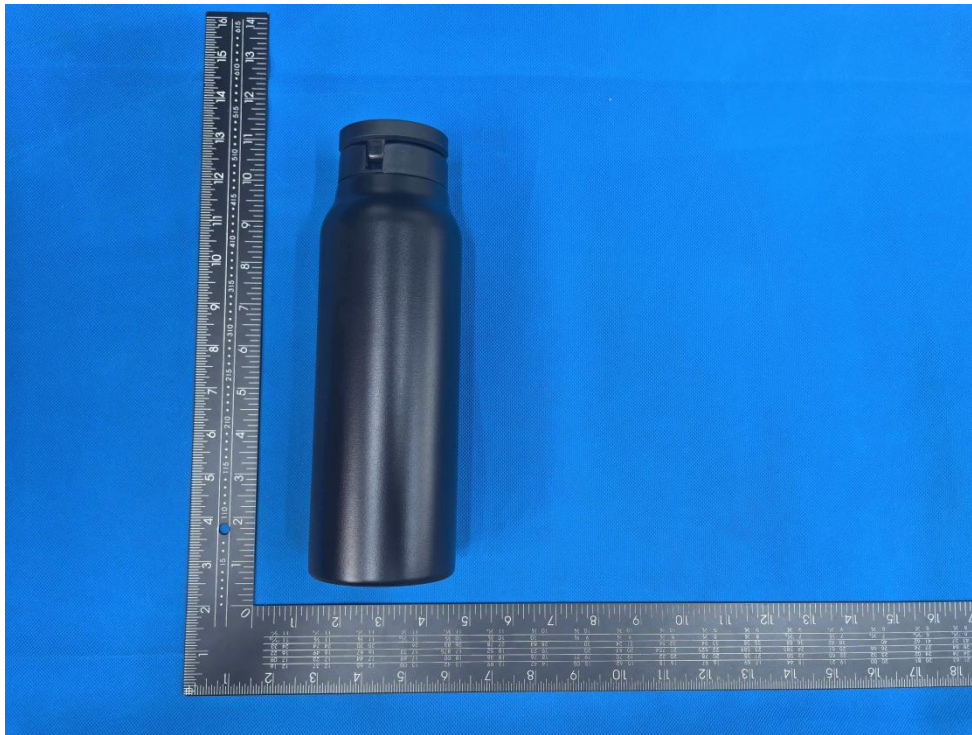


Photo 2

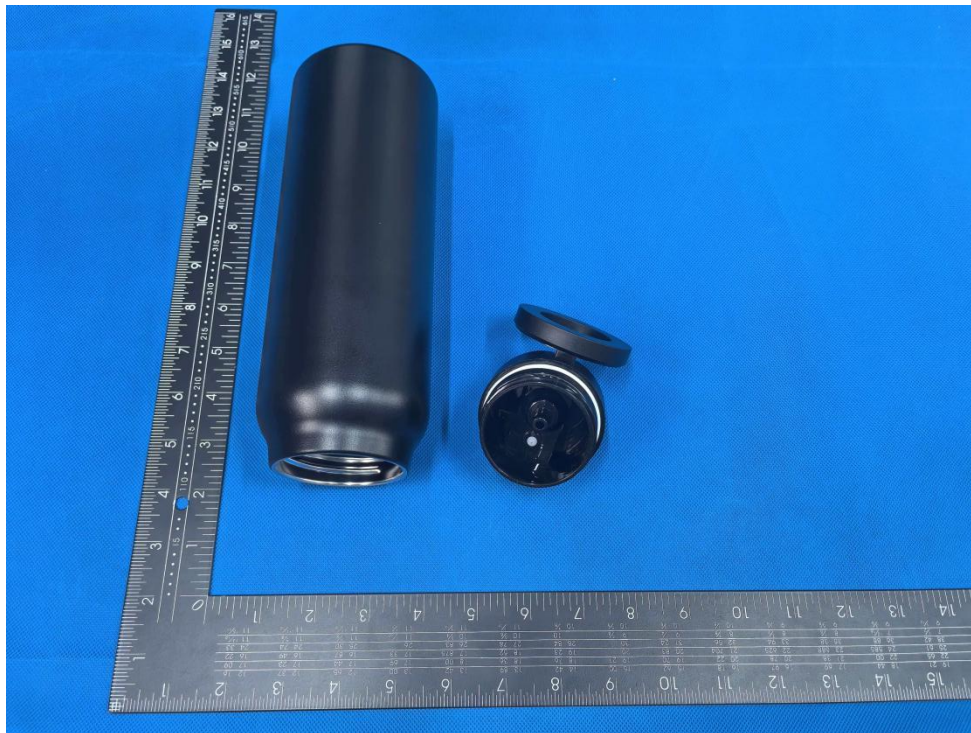


Photo 3

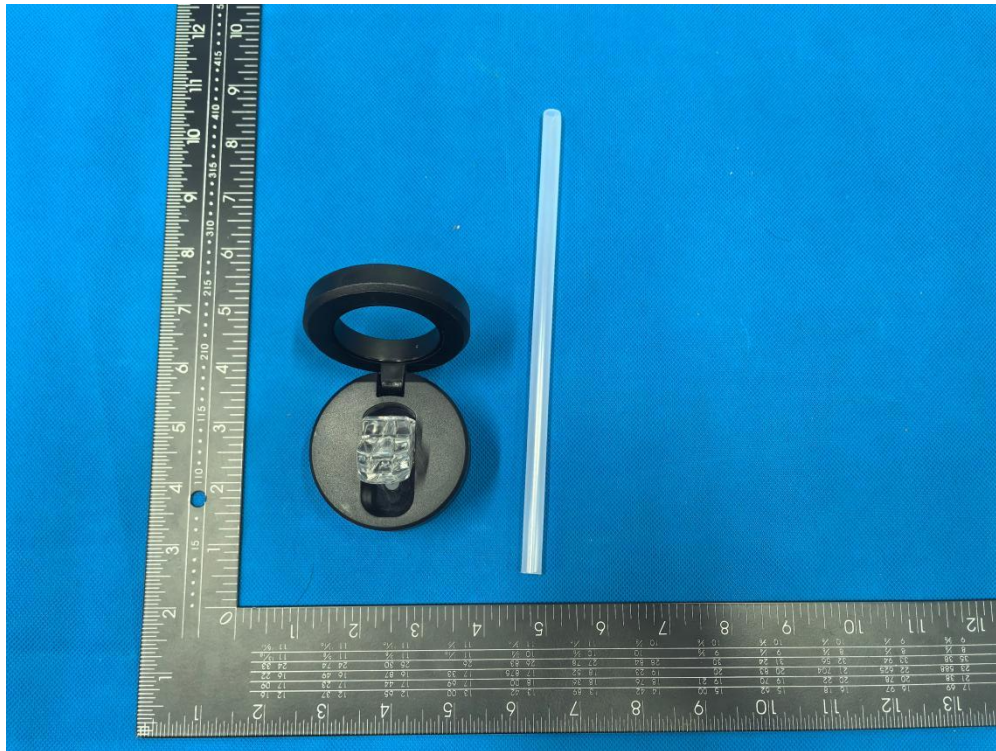


Photo 4

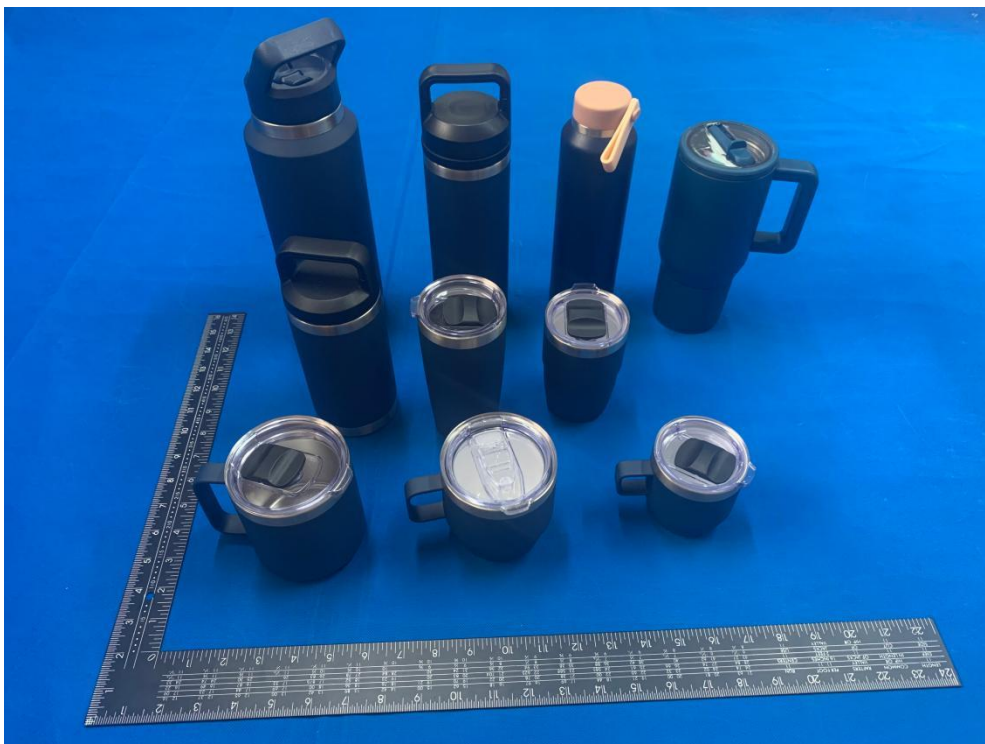
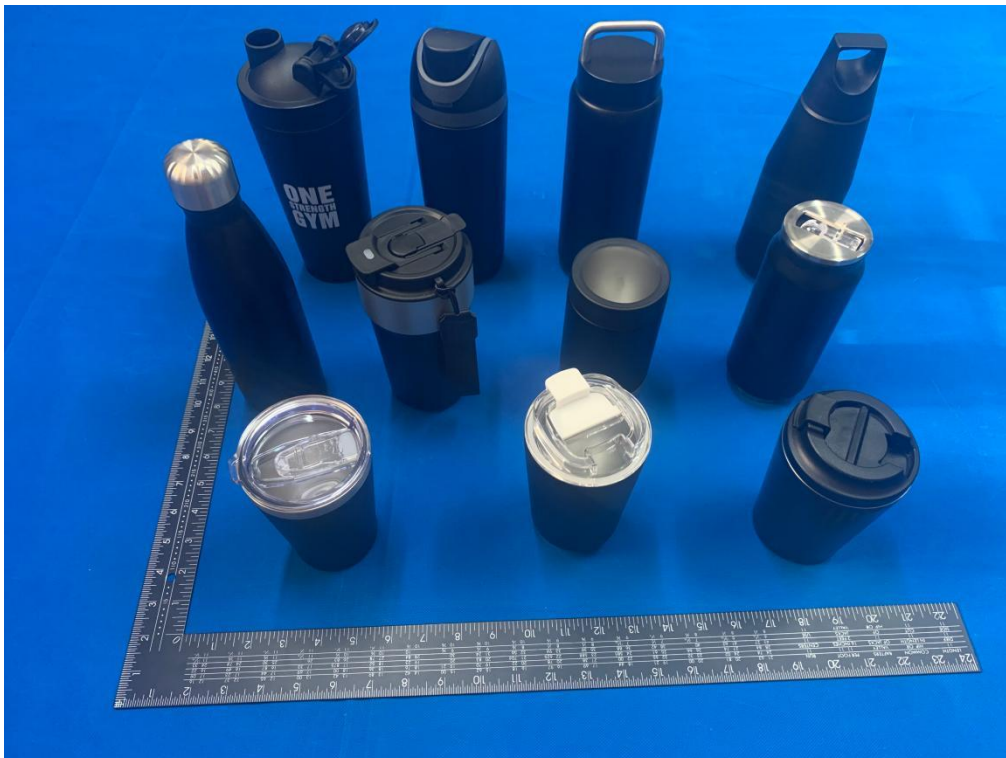


Photo 5



Photo 6



※※※※END OF REPORT※※※※