

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

Testing laboratory : **Shenzhen CDT Testing Technology Co., Ltd**

Address : Room 605, Building A, Huao Time Industrial Park, No. 170 Xingfa Road, Shangcun Community, Gongming Street, Guangming District, Shenzhen City, Guangdong Province

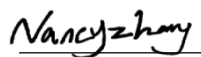
Sample received date : Jun.02, 2026

Testing period : Jun.02, 2026 - Jun.11, 2026

Test Result(s) : Please refer to the next pages

Signed for and on behalf of
Shenzhen CDT Testing Technology Co., Ltd

Drafted By:



Review By:



Approved By:



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Report writer

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Test Requested		Conclusion
- Regulation (EC) No. 1935/2004, Regulation (EU) No. 10/2011 and (EU) No 2020/1245 on material and articles intended to come into contact with food.		
1	Sensorial examination odour and taste test	Pass
2	Over all Migration	Pass
3	Specific Migration of Heavy metals	Pass
4	Specific Migration of Primary Aromatic Amine	Pass
5	Visible Color Migration	Pass
6	Polynuclear Aromatic Hydrocarbons (PAHs).	Pass
7	Specific Migration of Primary Aromatic Amine	Pass
8	Specific Migration of Acetaldehyde	Pass
09	Specific migration of Bisphenol A (BPA)	Pass
10	Bisphenol A (BPA) Content	Pass
11	Specific migration of Formaldehyde	Pass
12	Specific migration of Melamine	Pass
13	Specific migration of Caprolactam	Pass
14	Overall migration	Pass
15	Determination of Phthalate	Pass

Test Part Description

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

Test Result:
1. Sensorial examination odour and taste test.

Test Method: With reference to DIN 10955:2004

Test media: Deionized Water

Test Item(s).	Limit.	Result				Conclusion
		001	002	003	004	
Sensorial examination odour (Point scale)	3	1	1	1	1	Pass
Sensorial examination taste (Point scale)	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. Overall Migration Test for Plastic Materials in Contact with Foodstuffs

Test Method: With reference to Commission Regulation (EU)No 10/2011 of 14January 2011 Annex III and Annex V for selection of condition and EN1186-1:2022 for selection of simulants by total immersion method; or EN 1186-3:2022 aqueous food simulants by total immersion methods; or EN 1186-9:2002 aqueous food simulants by article filling methods.

Test Condition: 70℃ 10 days

Test Solution	MDL (mg/dm ²)	Result				Limit (mg/dm ²)
		001	002	003	004	
Over all Migration in 10% ethanol	3	<3	<3	<3	<3	10
Over all Migration in 20% ethanol	3	<3	<3	<3	<3	10
Over all Migration in 3% acetic acid	3	<3	<3	<3	<3	10
Over all Migration in 50% ethanol	3	<3	<3	<3	<3	10
Over all Migration in rectified olive oil or substitute of rectified olive oil	3	<3	<3	<3	<3	10
poly(2,6-diphenyl-p-phenylene oxide),particle size 60-80 mesh,pore size 200 nm	3	<3	<3	<3	<3	10

Note:

- "<"=less than
- mg/dm²=milligram per square decimeter
- MDL = Method Detection Limit

3. Specific Migration of Heavy Metals

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

Method: Preparation in Artificial tap water / 0.5% Citric acid at 100°C for 4 hours, analyzed by Inductively Coupled Plasma Atomic Emission Spectrometer (ICP-AES)/ Inductively Coupled Plasma Mass Spectrometer (ICP-MS).

Test Condition: 100°C 4Hour

Elements	SRL (mg/kg)		Result (mg/kg)		Conclusion
	1 st + 2 nd	3 rd	001+002+003+004		
Europium (Eu)	300	50	N.D.	N.D.	Pass
Copper(Cu)	28	4	N.D.	N.D.	
Iron(Fe)	280	40	N.D.	N.D.	
Manganese(Mn)	12.6	1.8	N.D.	N.D.	
Zinc(Zn)	35	5	N.D.	N.D.	
Aluminum(Al)	35	5	N.D.	N.D.	
Barium(Ba)	8.4	1.2	N.D.	N.D.	
Titanium(Ti)	--	--	N.D.	N.D.	
Magnesium(Mg)	--	--	N.D.	N.D.	
Chromium(Cr)	1.750	0.250	N.D.	N.D.	
Nickel(Ni)	0.98	0.14	N.D.	N.D.	
Lithium(Li)	0.336	0.048	N.D.	N.D.	
Beryllium(Be)	0.07	0.01	N.D.	N.D.	
Sodium (Na)	0.07	0.01	N.D.	N.D.	
Cobalt(Co)	0.14	0.02	N.D.	N.D.	
Molybdenum(Mo)	0.84	0.12	N.D.	N.D.	
Ammonium (N)	0.56	0.08	N.D.	N.D.	
Antimony(Sb)	0.28	0.04	N.D.	N.D.	
Lead(Pb)	0.07	0.01	N.D.	N.D.	
Arsenic(As)	0.014	0.002	N.D.	N.D.	
Cadmium(Cd)	0.035	0.005	N.D.	N.D.	
Mercury(Hg)	0.021	0.003	N.D.	N.D.	
Potassium (K)	0.0007	0.0001	N.D.	N.D.	

- N.D. = Not Detected (< MDL)
- mg/dm²=milligram per square decimeter
- MDL = Method Detection Limit

Note:

- The migration test is carried out according to EC Regulation No.10/2011 and the corresponding regulatory statutes.

4. Specific Migration of Primary Aromatic Amine for plastic in Contact with Foodstuffs

Test Method: EN 13130-1: 2004 and analysis by Liquid chromatography-mass spectrometry (LC-MS/MS).

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

Item	MDL	Unit	Results				Limit (mg/kg)
			001	002	003	004	
Primary Aromatic Amine	0.01	mg/kg	<0.01	<0.01	<0.01	<0.01	0.01

Note:

- N.D. = Not Detected (< MDL)
- mg/dm²=milligram per square decimeter
- MDL = Method Detection Limit
- "<"=less than

5. Specific color migration of plastics in contact with food

Test methods: AP(89)1 EN1186 and liquid chromatography-mass spectrometry (LC-MS/MS) analysis.

Acetic acid : 3% acetic acid, 40 °C, 4 hours

Item	MDL	Unit	Results				Limit (mg/kg)
			001	002	003	004	
Silvery	0.01	mg/kg	<0.01	<0.01	<0.01	<0.01	0.01

Note:

- N.D. = Not Detected (< MDL)
- mg/dm²=milligram per square decimeter
- MDL = Method Detection Limit
- "<"=less than

6.According to Regulation (EC) No 1935/2004, Regulation (EU) No 10/2011, and Regulation (EU) No 2020/1245 on materials and articles in contact with food.–Polynuclear Aromatic Hydrocarbons (PAHs).

Test Requested : Requirement testing: Determine polycyclic aromatic hydrocarbons (PAHs) from the following substances according to customer specifications Silicone rubber in contact with food, compliant with EU food contact regulations (EU) No 10/2011

Test Method : With reference to According to the EU standards EN 1186ff and § 64, GC-MS was used for analysis., 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:

- N.D. = Not Detected (< MDL)
- mg/dm²=milligram per square decimeter
- MDL = Method Detection Limit
- "<"=less than

Test condition & simulant were specified by client. .

ZEK 01.4-08:Restraining maximum values for products

Parameter	Category 1	Category 2	Category 3
	Material indented to be put in the mouth or material for toys with normal skin contact for children aged <36 months	Materials those are not included in Category 1, with predictable contact with the skin longer than 30 s.(long-term skin contact).	Materials those are not included in Category 1 or 2, with predictable skin contact up to 30 s (short -term skin contact)
Benzo(a)pyrene (mg/kg)	<0.2**	1	20
Sum of 18PAH (mg/kg)	<0.2**	10	200

Notes:

* = Only PAH substances >0.2 mg*kg are taken into account while calculating the sum of PAHs

** = In case that the maximum values exceed the limits of category 1, but are within the limits of category 2 ,one may confirm the suitability of the tested material which is indented to be put in the mouth by additional specific migration tests of PAH components based on EN 1186ff and §64 LFGB 80.30-1.The conclusion of the migration test results must be made based on food law.

7.Specific Migration of Primary Aromatic Amine for plastic in Contact with Foodstuffs

Test Method: EN 13130-1: 2004 and analysis by Liquid chromatography-mass spectrometry (LC-MS/MS).

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

Item	MDL	Unit	Results				Limit (mg/kg)
			001	002	003	004	
Primary Aromatic Amine	0.01	mg/kg	<0.01	<0.01	<0.01	<0.01	0.01

Note:

- N.D. = Not Detected (< MDL)
- mg/dm²=milligram per square decimeter
- MDL = Method Detection Limit
- "<"=less than

8. Specific Migration of Acetaldehyde

Method: With reference to SN/T 3385-2012, analyzed by Ultraviolet visible Spectroscopy (UV-Vis).

Test Condition: 100℃ 4Hour

Item	Unit	Result				Limit	Conclusion
		001	002	003	004		
3% Acetic acid(w/v)	mg/kg	N.D.	N.D.	N.D.	N.D.	15	Pass

Note:

- N.D. = Not Detected (< MDL)
- mg/dm²=milligram per square decimeter
- MDL = Method Detection Limit
- "<"=less than

09. Specific migration of Bisphenol A (BPA)

Method: With reference to CEN/TS 13130-13:2005, analyzed by High Performance Liquid

Chromatograph (HPLC-DAD).

Test Condition: 100°C 4Hour

Item	Unit	Result				Limit	Conclusion
		001	002	003	004		
3% Acetic acid(w/v)	mg/kg	N.D.	N.D.	N.D.	N.D.	N.D.	Pass

Note: 1. mg/kg = milligrams of the constituents released per kilogram of foodstuff.

2. N.D. = Not Detected (< RL).

3. RL (Reporting Limit) = 0.1 mg/kg.

4. The requirement in accordance with the Commission Regulation (EU) No 10/2011.

10. Bisphenol A (BPA) Content

Method: Solvent extraction, analyzed by High Performance Liquid Chromatograph

(HPLC-DAD).. Test Condition: 100°C 4Hour

Unit	Result				Limit	Conclusion
	001	002	003	004		
mg/kg	N.D.	N.D.	N.D.	N.D.	N.D.	Pass

Note: 1. mg/kg = milligrams of the constituents released per kilogram of foodstuff.

2. N.D. = Not Detected (< RL).

3. RL (Reporting Limit) = 0.1 mg/kg.

The requirement in accordance with the Commission Regulation (EU) No 321/2011

11. Specific migration of Formaldehyde

Method: With reference to CEN/TS 13130-23:2005, analyzed by Ultraviolet visible Spectroscopy

(UV-Vis). Test Condition: 100°C 4Hour

Item	Unit	Result				Limit	Conclusion
		001	002	003	004		
3% Acetic acid(w/v)	mg/kg	N.D.	N.D.	N.D.	N.D.	15	Pass

Note: 1. mg/kg = milligrams of the constituents released per kilogram of foodstuff.

2. The requirement in accordance with the Commission Regulation (EU) No 10/2011.=0.004973

12. Specific migration of Melamine

Method: With reference to CEN/TS 13130-27:2005, analyzed by High Performance Liquid

Chromatograph (HPLC-DAD).

Test Condition: 100°C 4Hour

Item	Unit	Result				Limit	Conclusion
		001	002	003	004		
3% Acetic acid(w/v)	mg/kg	N.D.	N.D.	N.D.	N.D.	2.5	Pass

Note: 1. mg/kg = milligrams of the constituents released per kilogram of foodstuff.

2. The requirement in accordance with the Commission Regulation (EU) No 1282/2011.

13. Specific migration of Caprolactam

Method: With reference to CEN/TS 13130-16:2005, analyzed by High Performance Liquid

Chromatograph (HPLC-DAD).

Test Condition: 100°C 4Hour

Item	Unit	Result				Limit	Conclusion
		001	002	003	004		
3% Acetic acid(w/v)	mg/kg	N.D.	N.D.	N.D.	N.D.	15	Pass

Note: 1. mg/kg = milligrams of the constituents released per kilogram of foodstuff.

2. The requirement in accordance with the Commission Regulation (EU) No 10/2011

14. Test Result:

PARAMETER	METHOD	UNITS	RESULT		LIMITS
Overall Migration (Simulant D2: vegetable oil)	O.629 based on EN 1186-8:2002	mg/dm ²	Not detected (10 days @ 40°C)	LOD=6	max 10
Overall Migration (Simulant B: acetic acid 3% w/v)	EN 1186-9:2002	mg/dm ²	Not detected (10 days @ 40°C)	LOD=3,8	max 10
Overall Migration (Simulant A: ethanol 10%)	EN 1186-9:2002	mg/dm ²	Not detected (10 days @ 40°C)	LOD=4	max 10
Overall Migration (Simulant C: ethanol 20%)	EN 1186-9:2002	mg/dm ²	Not detected (10 days @ 40°C)	LOD=4	max 10
Overall Migration (Dry food, food simulant E, poly (2,6-diphenylether))	EN 1186-9:2002	mg/dm ²	Not detected (10 days @ 40°C)	LOD=4	max 10

LOD: Limit of detection.

LIMITS: Regulation (EU) 10/2011 on plastic materials and articles intended to come into contact with food, as amended and is valid.

EVALUATION: According to the above information, the examined sample complies with the overall migration limits set by Regulation (EU) 10/2011, for the following types of foods and intended food contact conditions:

TYPES OF FOODS

Fruit in the form of purée, preserves, pastes, in its own juice	Annex III, Table 2, Reference: 04.02 / B
Vegetables in the form of purée, preserves, pastes or in its own juice	Annex III, Table 2, Reference: 04.05 / C
Sauces with aqueous character	Annex III, Table 2, Reference: 08.04 / A
Sauces with fatty character, e.g. mayonnaise, sauces derived from mayonnaise, salad creams and other oil/ water mixtures	Annex III, Table 2, Reference: 08.04 / B
Mustard (except powdered mustard)	Annex III, Table 2, Reference: 08.05
Dry Food	Annex III, Table 2, Reference: 08.08/A/B

INTENDED FOOD CONTACT CONDITIONS (Annex V, Chap.3, Table 3)

Test number OM2	Any long term storage at room temperature or below, including when packaged under hot-fill conditions, and/or heating up to a temperature T where $70\text{ }^{\circ}\text{C} \leq T \leq 100\text{ }^{\circ}\text{C}$ for a maximum of t
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15.Determination of Phthalate

Method: Solvent extraction, analyzed by High

Performance Liquid Chromatograph(HPLC-DAD).. Test

Condition: 100℃ 4Hour

Unit	Result				Limit	Conclusion
	001	002	003	004		
mg/kg	N.D.	N.D	N.D	N.D	N.D.	Pass

Note: 1. mg/kg = milligrams of the constituents released per kilogram of foodstuff.

4. N.D. = Not Detected (< RL).

5. RL (Reporting Limit) = 0.1 mg/kg.

The requirement in accordance with the Commission Regulation (EU) No. 10/2011

PICTURE OF SAMPLE

Photo 1

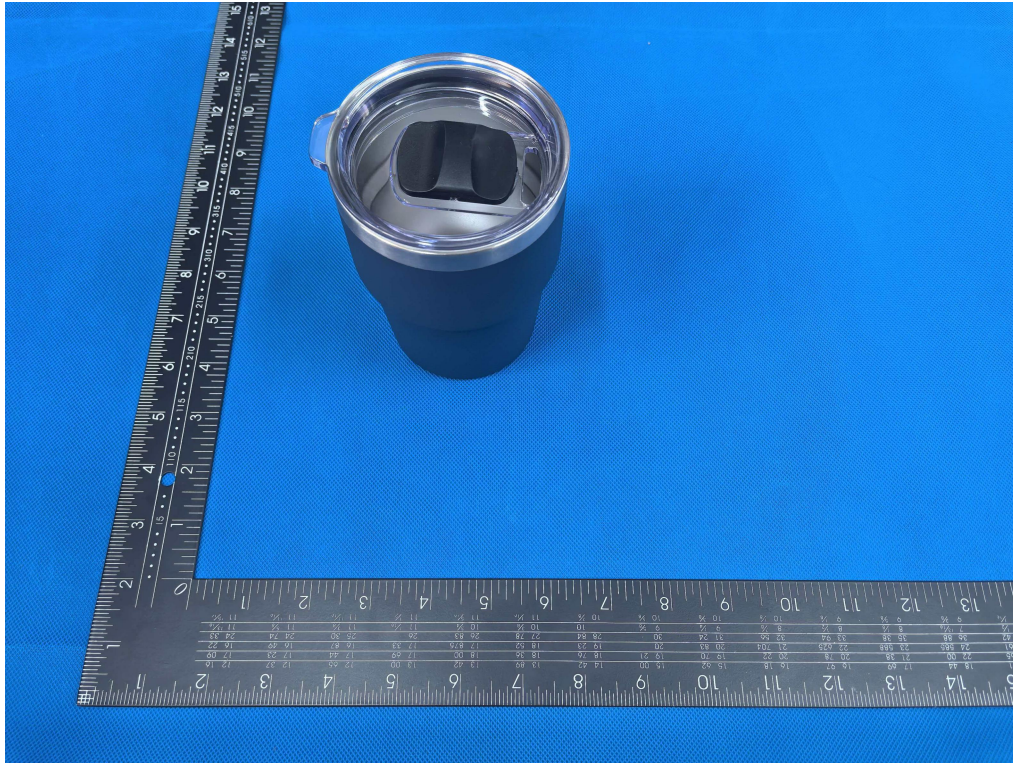


Photo 2

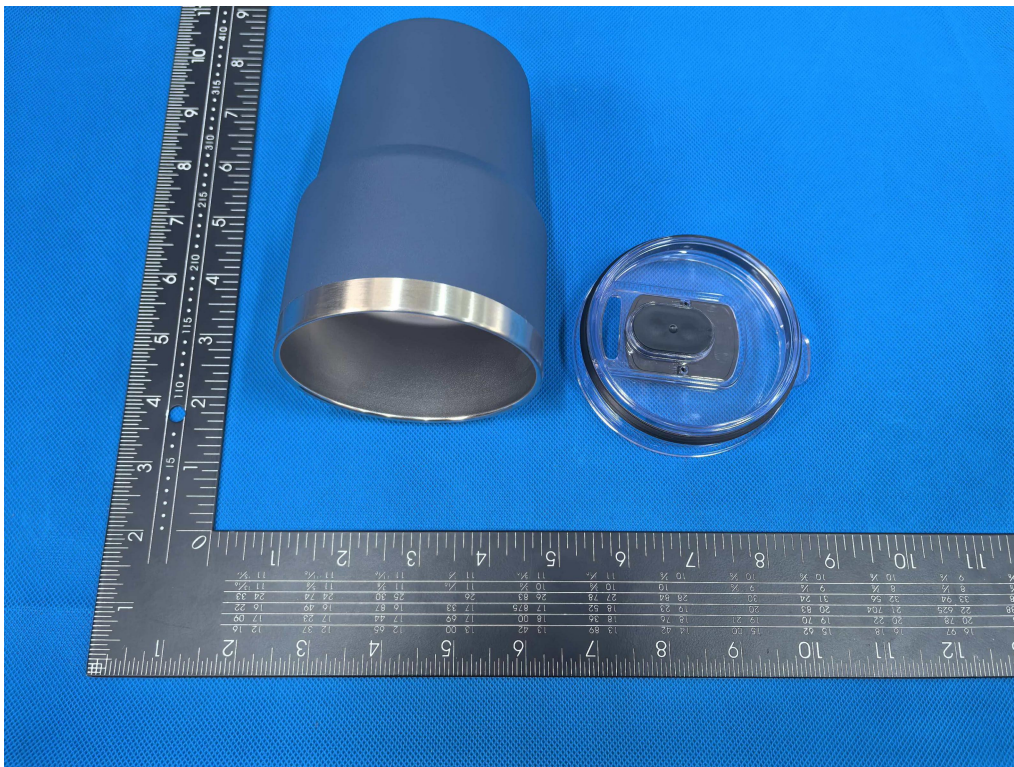


Photo 3

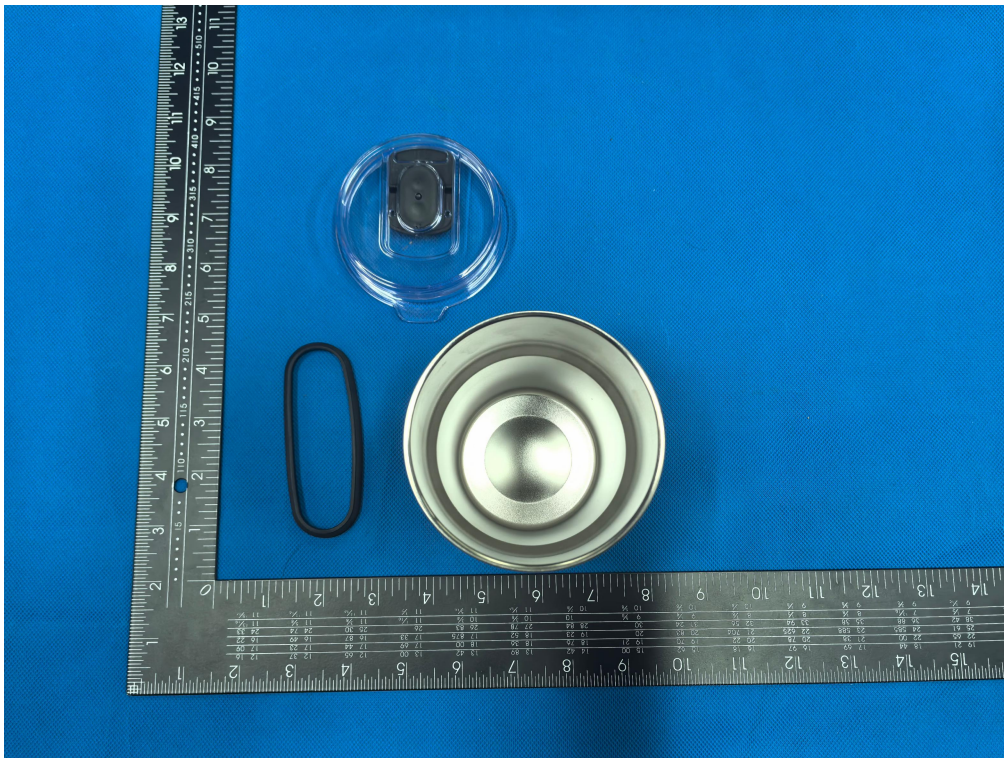


Photo 4

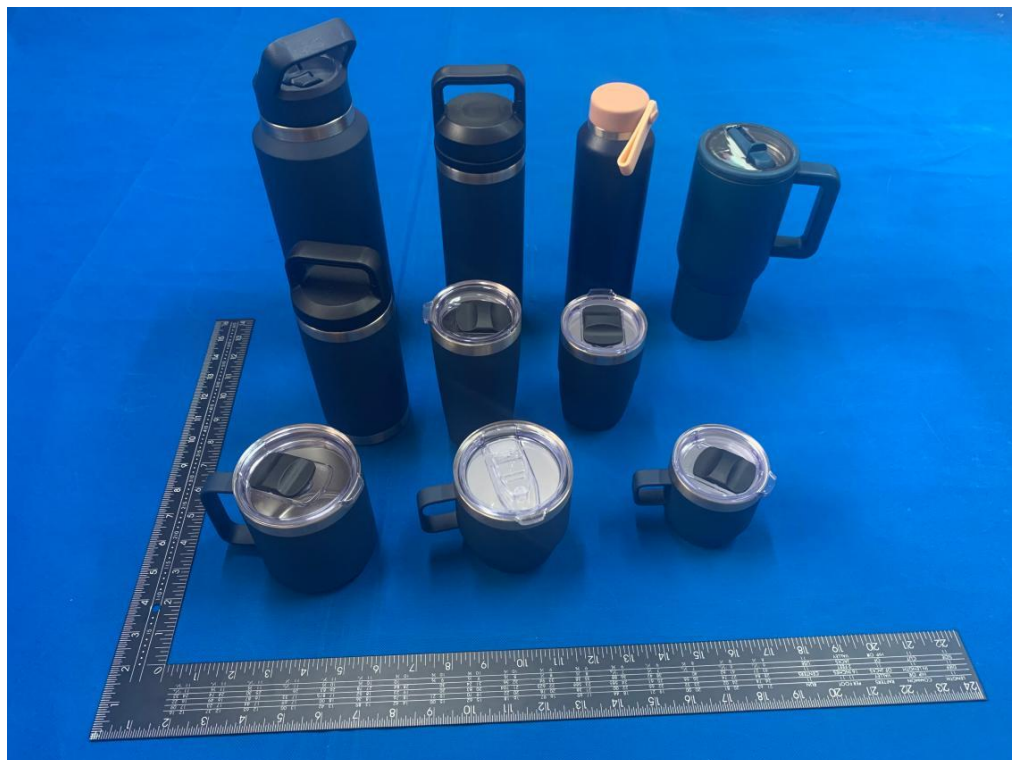
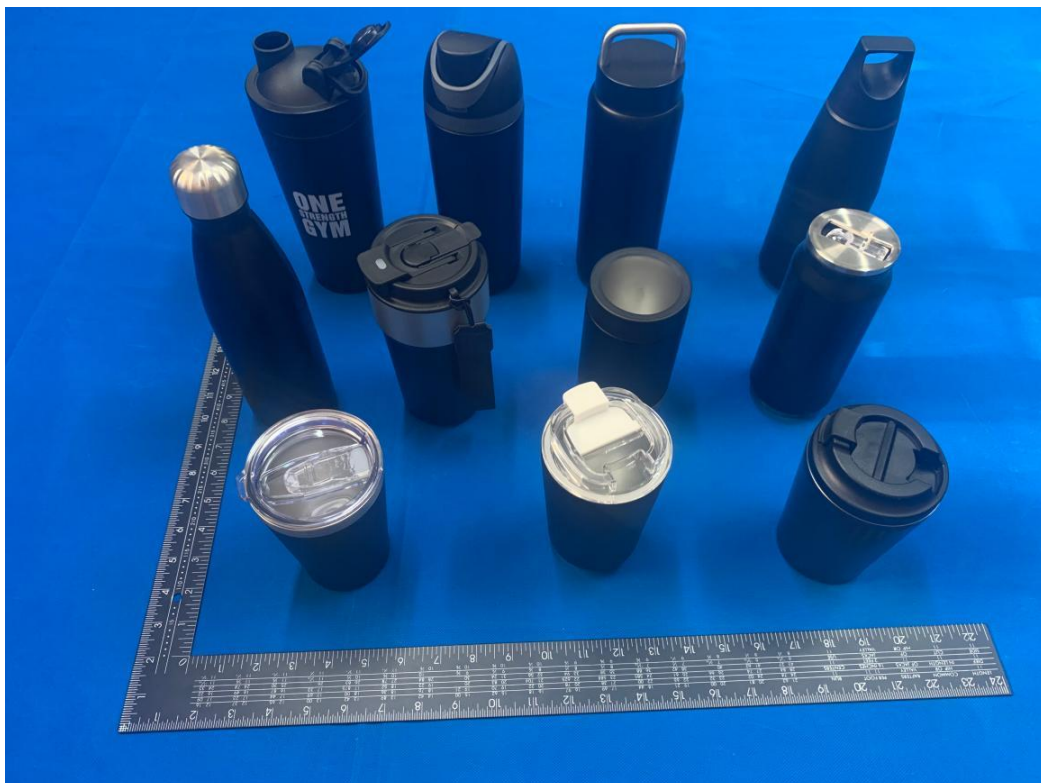


Photo 5



Photo 6



End of Report