Test Report

Applicant:	Taizhou Huangyan Nancheng Kangxin Plastic Factory
Address:	No. 21, Zone 6, Diantou, Yuanqiao, Huangyan District, Taizhou City, Zhejiang Province
Manufacturer:	Taizhou Huangyan Nancheng Kangxin Plastic Factory
Address:	No. 21, Zone 6, Diantou, Yuanqiao, Huangyan District, Taizhou City, Zhejiang Province

Report on the submitted samples said to be:

Product Name:	water bottle
Brand Name:	N/A
Model Number:	2089
Date of Receipt:	Feb. 21, 2025
Date of Test:	Feb. 21, 2025 ~ Feb. 25, 2025
Date of Report:	Feb. 25, 2025
Test Method:	Please refer to next page.
Test Result:	Please refer to next page.

Prepared (Engineer): Slien Wang

Reviewer (Supervisor): Xiaoshan Ni

Shenzhen DL Testing Technology Co.,Ltd. Approved

This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Shenzhen DL Testing Technology Co., Ltd.

Version

Version No.	Date	Description
00	Feb. 25, 2025	Original

Test Requested: **Conclusion**

Regulation 1935/2004/EC on materials and articles intended to come into contact with food;
European Commission Regulation (EU) No.10/2011 and Its amendments (EU) 2020/1245;
European Commission Regulation AP(89)1;European Commission Regulation AP(2004)5;
German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB) Section 30 and 31 With amendments, European Commission Regulation CM/Res(2020)9.

1.Sensory test-taste and odour to the integrate product	PASS
2.Overall Migration Test	PASS
3.Specific Migration of Heavy Metals	PASS
4.Polycyclic Aromatic Hydrocarbons (PAHs)	PASS
5.Total BPA content	PASS
6.Specific Migration of - Primary aromatic amines（PAA）	PASS
7.Soluable Metal and Metalloids cotent	PASS
8.Visible Color migration	PASS
9.Carbon Black（only for carbon black）	PASS
10.Unsulphonated Aromatic Amine content	PASS
11.Inorganic cadmium pigments	PASS
12.PCBs content	PASS
13.Sulphonated Aromatic Amine content	PASS
14.Volatile Organic Matter（VOM）	PASS
15.Total Lead (Pb)、Cadmium (Cd)、Zinc (Zn)、Platinum (Pt)	PASS
16.Peroxides Value	PASS
17.Extractive Substance	PASS
18.Organic Tin content	PASS
19.Specific Migration of - Bisphenol A (BPA)	PASS
20.Specific Migration of - Hexene	PASS
21.Specific Migration of - Octene	PASS

Test Part Description:

Specimen No.	Description	Material
01	Black + White plastic (cup body)	PC
02	Purple + Pink plastic (cup body)	PC
03	Blue + light blue plastic (cup body)	PC
04	Light blue + yellow plastic (cup body)	PC
05	Black transparent plastic (lid)	PP
06	Pink transparent plastic (lid)	PP
07	Blue transparent plastic (lid)	PP
08	Light blue transparent plastic (lid)	PP
09	Translucent plastic (filter)	PP
10	Translucent silicone seal ring	silicone
11	Translucent silicone (plug)	silicone
12	Black silicone (rope)	silicone
13	Purple silicone (rope)	silicone
14	Blue silicone (rope)	silicone
15	Light blue silicone (rope)	silicone

Test Results:

1.Sensory test-taste and odour to the integrate product

Test Method: With reference to Robinson's test with reference to DIN 10955:2004.

Test conditions: Distilled wate, 100℃, 2h

Test Item	01	02	03	04	05	06	07	08	Limit
Sensorial examination odour (Point scale)	0	0	0	0	0	0	0	0	3
Sensorial examination taste (Point scale)	0	0	0	0	0	0	0	0	3

Test Item	09	10	11	12	13	14	15	Limit
Sensorial examination odour (Point scale)	0	1	1	1	1	1	1	3
Sensorial examination taste (Point scale)	0	1	1	1	1	1	1	3

Scale evaluation:

0: No perceptible odour and taste

1: Odour and taste just perceptible (still difficult to define)

2: Moderate odour and taste

3: Moderate strong odour and taste

4: Strong odour and taste

2.Overall Migration Test

Test Method: With reference to EN 1186-1: 2002 、EN 1186-2: 2022 and EN 1186-3: 2022.

Simulant Used	Time	Temperature	Unit	Limit	01			02		
					1st	2nd	3rd	1st	2nd	3rd
3% Acetic acid	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
10% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
20% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
50% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Isooctane	0.5h	40℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
olive oil	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Simulant Used	Time	Temperature	Unit	Limit	03			04		
					1st	2nd	3rd	1st	2nd	3rd
3% Acetic acid	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
10% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
20% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
50% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Isooctane	0.5h	40℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
olive oil	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Simulant Used	Time	Temperature	Unit	Limit	05			06		
					1st	2nd	3rd	1st	2nd	3rd
3% Acetic acid	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
10% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
20% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
50% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Isooctane	0.5h	40℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
olive oil	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Simulant Used	Time	Temperature	Unit	Limit	07			08		
					1st	2nd	3rd	1st	2nd	3rd
3% Acetic acid	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
10% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
20% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
50% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Isooctane	0.5h	40℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
olive oil	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Simulant Used	Time	Temperature	Unit	Limit	09			10		
					1st	2nd	3rd	1st	2nd	3rd
3% Acetic acid	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
10% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
20% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
50% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Isooctane	0.5h	40℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
olive oil	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Simulant Used	Time	Temperature	Unit	Limit	11			12		
					1st	2nd	3rd	1st	2nd	3rd
3% Acetic acid	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
10% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
20% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
50% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Isooctane	0.5h	40℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
olive oil	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Simulant Used	Time	Temperature	Unit	Limit	13			14		
					1st	2nd	3rd	1st	2nd	3rd
3% Acetic acid	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
10% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
20% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
50% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Isooctane	0.5h	40℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
olive oil	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Simulant Used	Time	Temperature	Unit	Limit	15		
					1st	2nd	3rd
3% Acetic acid	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.
10% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.
20% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.
50% Ethanol	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.
Isooctane	0.5h	40℃	mg/dm²	10	N.D.	N.D.	N.D.
olive oil	2.0h	70℃	mg/dm²	10	N.D.	N.D.	N.D.

Note:

(1) mg/dm² = milligram per square decimeter;

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

3.Specific Migration of Heavy Metals

Test Method: With reference to BS EN 13130-1: 2004, determined by ICP-MS&IC.

Test conditions: 3% acetic acid, 70℃, 2h

Test Item	Unit	MDL	Limit	01			02		
				1st	2nd	3rd	1st	2nd	3rd
Aluminum (Al)	mg/kg	0.1	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Ammonium ($NH4^+$)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Antimony (Sb)	mg/kg	0.02	0.04	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic (As)	mg/kg	0.002	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Barium (Ba)	mg/kg	0.1	1.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	mg/kg	0.005	0.005	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Calcium (Ca)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium (Cr)	mg/kg	0.1	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Cobalt (Co)	mg/kg	0.01	0.02	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Copper (Cu)	mg/kg	0.1	4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Iron (Fe)	mg/kg	1	40	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	mg/kg	0.01	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Lithium (Li)	mg/kg	0.02	0.048	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Magnesium (Mg)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Manganese (Mn)	mg/kg	0.1	0.55	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	mg/kg	0.003	0.003	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Nickel (Ni)	mg/kg	0.05	0.14	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Potassium (K)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Sodium (Na)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Zinc (Zn)	mg/kg	1	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Silver(Ag)	mg/kg	0.05	0.08	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tin(Sn)	mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Molybdenum(Mo)	mg/kg	0.02	0.12	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Vanadium(V)	mg/kg	0.01	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Thallium(Tl)	mg/kg	0.001	0.001	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Beryllium(Be)	mg/kg	0.01	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tungsten(W)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium(Se)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Zirconium(Zr)	mg/kg	0.1	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Sum(Ln)	mg/kg	0.01	0.05	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Test Item	Unit	MDL	Limit	03			04		
				1st	2nd	3rd	1st	2nd	3rd
Aluminum (Al)	mg/kg	0.1	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Ammonium ($NH4^+$)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Antimony (Sb)	mg/kg	0.02	0.04	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic (As)	mg/kg	0.002	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Barium (Ba)	mg/kg	0.1	1.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	mg/kg	0.005	0.005	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Calcium (Ca)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium (Cr)	mg/kg	0.1	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Cobalt (Co)	mg/kg	0.01	0.02	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Copper (Cu)	mg/kg	0.1	4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Iron (Fe)	mg/kg	1	40	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	mg/kg	0.01	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Lithium (Li)	mg/kg	0.02	0.048	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Magnesium (Mg)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Manganese (Mn)	mg/kg	0.1	0.55	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	mg/kg	0.003	0.003	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Nickel (Ni)	mg/kg	0.05	0.14	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Potassium (K)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Sodium (Na)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Zinc (Zn)	mg/kg	1	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Silver(Ag)	mg/kg	0.05	0.08	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tin(Sn)	mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Molybdenum(Mo)	mg/kg	0.02	0.12	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Vanadium(V)	mg/kg	0.01	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Thallium(Tl)	mg/kg	0.001	0.001	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Beryllium(Be)	mg/kg	0.01	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tungsten(W)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium(Se)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Zirconium(Zr)	mg/kg	0.1	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Sum(Ln)	mg/kg	0.01	0.05	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Test Item	Unit	MDL	Limit	05			06		
				1st	2nd	3rd	1st	2nd	3rd
Aluminum (Al)	mg/kg	0.1	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Ammonium ($NH4^+$)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Antimony (Sb)	mg/kg	0.02	0.04	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic (As)	mg/kg	0.002	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Barium (Ba)	mg/kg	0.1	1.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	mg/kg	0.005	0.005	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Calcium (Ca)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium (Cr)	mg/kg	0.1	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Cobalt (Co)	mg/kg	0.01	0.02	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Copper (Cu)	mg/kg	0.1	4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Iron (Fe)	mg/kg	1	40	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	mg/kg	0.01	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Lithium (Li)	mg/kg	0.02	0.048	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Magnesium (Mg)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Manganese (Mn)	mg/kg	0.1	0.55	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	mg/kg	0.003	0.003	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Nickel (Ni)	mg/kg	0.05	0.14	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Potassium (K)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Sodium (Na)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Zinc (Zn)	mg/kg	1	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Silver(Ag)	mg/kg	0.05	0.08	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tin(Sn)	mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Molybdenum(Mo)	mg/kg	0.02	0.12	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Vanadium(V)	mg/kg	0.01	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Thallium(Tl)	mg/kg	0.001	0.001	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Beryllium(Be)	mg/kg	0.01	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tungsten(W)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium(Se)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Zirconium(Zr)	mg/kg	0.1	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Sum(Ln)	mg/kg	0.01	0.05	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Test Item	Unit	MDL	Limit	07			08		
				1st	2nd	3rd	1st	2nd	3rd
Aluminum (Al)	mg/kg	0.1	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Ammonium ($NH4^+$)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Antimony (Sb)	mg/kg	0.02	0.04	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic (As)	mg/kg	0.002	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Barium (Ba)	mg/kg	0.1	1.2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Cadmium (Cd)	mg/kg	0.005	0.005	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Calcium (Ca)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium (Cr)	mg/kg	0.1	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Cobalt (Co)	mg/kg	0.01	0.02	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Copper (Cu)	mg/kg	0.1	4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Iron (Fe)	mg/kg	1	40	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	mg/kg	0.01	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Lithium (Li)	mg/kg	0.02	0.048	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Magnesium (Mg)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Manganese (Mn)	mg/kg	0.1	0.55	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	mg/kg	0.003	0.003	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Nickel (Ni)	mg/kg	0.05	0.14	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Potassium (K)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Sodium (Na)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Zinc (Zn)	mg/kg	1	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Silver(Ag)	mg/kg	0.05	0.08	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tin(Sn)	mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Molybdenum(Mo)	mg/kg	0.02	0.12	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Vanadium(V)	mg/kg	0.01	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Thallium(Tl)	mg/kg	0.001	0.001	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Beryllium(Be)	mg/kg	0.01	0.01	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tungsten(W)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium(Se)	mg/kg	0.1	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Zirconium(Zr)	mg/kg	0.1	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Sum(Ln)	mg/kg	0.01	0.05	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Test Item	**Unit**	**MDL**	**Limit**	**09**		
				1st	2nd	3rd
Aluminum (Al)	mg/kg	0.1	5	N.D.	N.D.	N.D.
Ammonium ($NH4^+$)	mg/kg	0.1	/	N.D.	N.D.	N.D.
Antimony (Sb)	mg/kg	0.02	0.04	N.D.	N.D.	N.D.
Arsenic (As)	mg/kg	0.002	0.002	N.D.	N.D.	N.D.
Barium (Ba)	mg/kg	0.1	1.2	N.D.	N.D.	N.D.
Cadmium (Cd)	mg/kg	0.005	0.005	N.D.	N.D.	N.D.
Calcium (Ca)	mg/kg	0.1	/	N.D.	N.D.	N.D.
Chromium (Cr)	mg/kg	0.1	1	N.D.	N.D.	N.D.
Cobalt (Co)	mg/kg	0.01	0.02	N.D.	N.D.	N.D.

Copper (Cu)	mg/kg	0.1	4	N.D.	N.D.	N.D.
Iron (Fe)	mg/kg	1	40	N.D.	N.D.	N.D.
Lead (Pb)	mg/kg	0.01	0.01	N.D.	N.D.	N.D.
Lithium (Li)	mg/kg	0.02	0.048	N.D.	N.D.	N.D.
Magnesium (Mg)	mg/kg	0.1	/	N.D.	N.D.	N.D.
Manganese (Mn)	mg/kg	0.1	0.55	N.D.	N.D.	N.D.
Mercury (Hg)	mg/kg	0.003	0.003	N.D.	N.D.	N.D.
Nickel (Ni)	mg/kg	0.05	0.14	N.D.	N.D.	N.D.
Potassium (K)	mg/kg	0.1	/	N.D.	N.D.	N.D.
Sodium (Na)	mg/kg	0.1	/	N.D.	N.D.	N.D.
Zinc (Zn)	mg/kg	1	5	N.D.	N.D.	N.D.
Silver(Ag)	mg/kg	0.05	0.08	N.D.	N.D.	N.D.
Tin(Sn)	mg/kg	1	100	N.D.	N.D.	N.D.
Molybdenum(Mo)	mg/kg	0.02	0.12	N.D.	N.D.	N.D.
Vanadium(V)	mg/kg	0.01	0.01	N.D.	N.D.	N.D.
Thallium(Tl)	mg/kg	0.001	0.001	N.D.	N.D.	N.D.
Beryllium(Be)	mg/kg	0.01	0.01	N.D.	N.D.	N.D.
Tungsten(W)	mg/kg	0.1	/	N.D.	N.D.	N.D.
Selenium(Se)	mg/kg	0.1	/	N.D.	N.D.	N.D.
Zirconium(Zr)	mg/kg	0.1	2	N.D.	N.D.	N.D.
Sum(Ln)	mg/kg	0.01	0.05	N.D.	N.D.	N.D.

Note:

(1) 1mg/kg=0.0001%;

(2) N.D. = Not Detected (<MDL);

(3) MDL= Method Detection Limit;

(4) Ln:La、Ce、Pr、Nd、Pm、Sm、Eu、Gd、Tb、Dy、Ho、Er、Tm、Yb、Lu.

4.Polycyclic Aromatic Hydrocarbons (PAHs)

Test Method: With reference to AfPS GS 2019:01 PAK, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS).

Item	Unit	MDL	01			02			Limit
			1st	2nd	3rd	1st	2nd	3rd	
Naphthalene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Phentherene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Fluoranthen	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent

Benzo[a]anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Chrysene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[b]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[k]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[a]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Indeno[1,2,3-cd]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Dibenzo[a,h]anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[g,h,i]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[j]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[e]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Total of 15 PAHs	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	/

Item	Unit	MDL	03			04			Limit
			1st	2nd	3rd	1st	2nd	3rd	
Naphthalene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Phentherene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Fluoranthen	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[a]anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Chrysene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[b]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[k]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[a]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Indeno[1,2,3-cd]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Dibenzo[a,h]anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[g,h,i]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[j]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[e]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Total of 15 PAHs	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	/

Item	Unit	MDL	05			06			Limit
			1st	2nd	3rd	1st	2nd	3rd	
Naphthalene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Phentherene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent

Anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Fluoranthen	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[a]anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Chrysene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[b]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[k]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[a]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Indeno[1,2,3-cd]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Dibenzo[a,h]anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[g,h,i]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[j]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[e]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Total of 15 PAHs	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	/

Item	Unit	MDL	07			08			Limit
			1st	2nd	3rd	1st	2nd	3rd	
Naphthalene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Phentherene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Fluoranthen	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[a]anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Chrysene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[b]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[k]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[a]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Indeno[1,2,3-cd]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Dibenzo[a,h]anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[g,h,i]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[j]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[e]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Total of 15 PAHs	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	/

Item	Unit	MDL	09			10			Limit
			1st	2nd	3rd	1st	2nd	3rd	
Naphthalene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Phentherene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Fluoranthen	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[a]anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Chrysene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[b]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[k]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[a]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Indeno[1,2,3-cd]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Dibenzo[a,h]anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[g,h,i]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[j]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[e]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Total of 15 PAHs	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	/

Item	Unit	MDL	11			12			Limit
			1st	2nd	3rd	1st	2nd	3rd	
Naphthalene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Phentherene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Fluoranthen	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[a]anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Chrysene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[b]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[k]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[a]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Indeno[1,2,3-cd]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Dibenzo[a,h]anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[g,h,i]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[j]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent

Benzo[e]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Total of 15 PAHs	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	/

Item	Unit	MDL	13			14			Limit
			1st	2nd	3rd	1st	2nd	3rd	
Naphthalene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Phentherene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Fluoranthen	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[a]anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Chrysene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[b]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[k]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[a]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Indeno[1,2,3-cd]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Dibenzo[a,h]anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[g,h,i]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[j]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Benzo[e]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	Absent
Total of 15 PAHs	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	/

Item	Unit	MDL	15			Limit
			1st	2nd	3rd	
Naphthalene	mg/kg	0.1	N.D.	N.D.	N.D.	Absent
Phentherene	mg/kg	0.1	N.D.	N.D.	N.D.	Absent
Anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	Absent
Fluoranthen	mg/kg	0.1	N.D.	N.D.	N.D.	Absent
Pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	Absent
Benzo[a]anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	Absent
Chrysene	mg/kg	0.1	N.D.	N.D.	N.D.	Absent
Benzo[b]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	Absent
Benzo[k]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	Absent
Benzo[a]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	Absent
Indeno[1,2,3-cd]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	Absent

Dibenzo[a,h]anthracene	mg/kg	0.1	N.D.	N.D.	N.D.	Absent
Benzo[g,h,i]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	Absent
Benzo[j]fluoranthene	mg/kg	0.1	N.D.	N.D.	N.D.	Absent
Benzo[e]pyrene	mg/kg	0.1	N.D.	N.D.	N.D.	Absent
Total of 15 PAHs	mg/kg	/	N.D.	N.D.	N.D.	/

Note:

(1) 1mg/kg=0.0001%;

(2) N.D. = Not Detected (<MDL);

(3) MDL= Method Detection Limit.

5.Total BPA content

Test Method: With reference to EN 14350-2.,determined by LC-MS.

Test Item	Unit	MDL	Limit	01	02	03	04	05
Bisphenol A	mg/kg	0.1	Absent	N.D.	N.D.	N.D.	N.D.	N.D.

Test Item	Unit	MDL	Limit	06	07	08	09	10
Bisphenol A	mg/kg	0.1	Absent	N.D.	N.D.	N.D.	N.D.	N.D.

Test Item	Unit	MDL	Limit	11	12	13	14	15
Bisphenol A	mg/kg	0.1	Absent	N.D.	N.D.	N.D.	N.D.	N.D.

Note:

(1) 1mg/kg=0.0001%;

(2) N.D. = Not Detected (<MDL);

(3) MDL= Method Detection Limit.

6.Specific Migration of - Primary aromatic amines（PAA）

Test Method: With reference to BS EN 13130-1: 2004,determined by GC-MS.

Test conditions: 3% acetic acid, 70℃, 2h

Test Item	MDL (mg/kg)	Limit (mg/kg)	01	02	03	04	05
4-Aminobiphenyl	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Benzidine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
4-Chloro-o-Toluidine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
2-Naphthylamine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
4-amino-2',3-dimethylazobenzene	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
5-Nitro-o-toluidine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
4-Chloroaniline	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
4-Methoxy-m-phenylenediamine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
4,4'-Diaminodiphenylmethane	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
3,3'-Dichlorobenzidine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

3,3'-Dimethoxybenzidine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
3,3'-Dimethybenzidine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
4,4'-Methylenedi-o-toluidine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
6-methoxy-m-toluidine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
4,4'-methylenebis[2-chloroaniline]	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
4,4'-Oxydianiline	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
4,4'-Thiodianiline	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
2-Aminotoluene	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
4-methyl-m-phenylenediamine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
2,4,5-Trimethylaniline	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
2-Methoxyaniline	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
4-Aminoazobenzene	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
1,3 phenylenediamine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Total of other primary aromatic amines	0.01	0.01	N.D.	N.D.	N.D.	N.D.	N.D.

Test Item	MDL (mg/kg)	Limit (mg/kg)	06	07	08	09
4-Aminobiphenyl	0.002	N.D.	N.D.	N.D.	N.D.	N.D.
Benzidine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.
4-Chloro-o-Toluidine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.
2-Naphthylamine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.
4-amino-2',3-dimethylazobenzene	0.002	N.D.	N.D.	N.D.	N.D.	N.D.
5-Nitro-o-toluidine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.
4-Chloroaniline	0.002	N.D.	N.D.	N.D.	N.D.	N.D.
4-Methoxy-m-phenylenediamine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.
4,4'-Diaminodiphenylmethane	0.002	N.D.	N.D.	N.D.	N.D.	N.D.
3,3'-Dichlorobenzidine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.
3,3'-Dimethoxybenzidine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.
3,3'-Dimethybenzidine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.
4,4'-Methylenedi-o-toluidine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.
6-methoxy-m-toluidine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.
4,4'-methylenebis[2-chloroaniline]	0.002	N.D.	N.D.	N.D.	N.D.	N.D.
4,4'-Oxydianiline	0.002	N.D.	N.D.	N.D.	N.D.	N.D.
4,4'-Thiodianiline	0.002	N.D.	N.D.	N.D.	N.D.	N.D.
2-Aminotoluene	0.002	N.D.	N.D.	N.D.	N.D.	N.D.
4-methyl-m-phenylenediamine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.
2,4,5-Trimethylaniline	0.002	N.D.	N.D.	N.D.	N.D.	N.D.

2-Methoxyaniline	0.002	N.D.	N.D.	N.D.	N.D.	N.D.
4-Aminoazobenzene	0.002	N.D.	N.D.	N.D.	N.D.	N.D.
1,3 phenylenediamine	0.002	N.D.	N.D.	N.D.	N.D.	N.D.
Total of other primary aromatic amines	0.01	0.01	N.D.	N.D.	N.D.	N.D.

Note:

(1) 1mg/kg=0.0001%;

(2) N.D. = Not Detected (<MDL);

(3) MDL= Method Detection Limit.

7.Soluable Metal and Metalloids cotent

Test Method: With reference to AP(89)1,determined by ICP-OES.

Test Item	Test condition	Unit	MDL	Limit	01	02	03	04	05
Antimony (Sb)		mg/kg	1	500	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic (As)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.
Barium (Ba)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	Distilled water	mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium (Cr)	(100℃, 0.5h)	mg/kg	1	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)		mg/kg	1	50	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium(Se)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.

Test Item	Test condition	Unit	MDL	Limit	06	07	08	09
Antimony (Sb)		mg/kg	1	500	N.D.	N.D.	N.D.	N.D.
Arsenic (As)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.
Barium (Ba)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	Distilled water	mg/kg	1	100	N.D.	N.D.	N.D.	N.D.
Chromium (Cr)	(100℃, 0.5h)	mg/kg	1	1000	N.D.	N.D.	N.D.	N.D.
Lead (Pb)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)		mg/kg	1	50	N.D.	N.D.	N.D.	N.D.
Selenium(Se)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.

Test Item	Test condition	Unit	MDL	Limit	01	02	03	04	05
Antimony (Sb)		mg/kg	1	500	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic (As)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.
Barium (Ba)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	3% acetic acid	mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium (Cr)	(70℃, 2h)	mg/kg	1	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)		mg/kg	1	50	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium(Se)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.

Test Item	Test condition	Unit	MDL	Limit	06	07	08	09
Antimony (Sb)		mg/kg	1	500	N.D.	N.D.	N.D.	N.D.
Arsenic (As)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.
Barium (Ba)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	3% acetic acid	mg/kg	1	100	N.D.	N.D.	N.D.	N.D.
Chromium (Cr)	(70℃, 2h)	mg/kg	1	1000	N.D.	N.D.	N.D.	N.D.
Lead (Pb)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)		mg/kg	1	50	N.D.	N.D.	N.D.	N.D.
Selenium(Se)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.

Test Item	Test condition	Unit	MDL	Limit	01	02	03	04	05
Antimony (Sb)		mg/kg	1	500	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic (As)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.
Barium (Ba)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	15% Ethanol	mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium (Cr)	(70℃, 2h)	mg/kg	1	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)		mg/kg	1	50	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium(Se)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.

Test Item	Test condition	Unit	MDL	Limit	06	07	08	09
Antimony (Sb)		mg/kg	1	500	N.D.	N.D.	N.D.	N.D.
Arsenic (As)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.
Barium (Ba)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	15% Ethanol	mg/kg	1	100	N.D.	N.D.	N.D.	N.D.
Chromium (Cr)	(70℃, 2h)	mg/kg	1	1000	N.D.	N.D.	N.D.	N.D.
Lead (Pb)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)		mg/kg	1	50	N.D.	N.D.	N.D.	N.D.
Selenium(Se)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.

Test Item	Test condition	Unit	MDL	Limit	01	02	03	04	05
Antimony (Sb)		mg/kg	1	500	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic (As)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.
Barium (Ba)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	Isooctane	mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium (Cr)	(40℃,0.5h)	mg/kg	1	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)		mg/kg	1	50	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium(Se)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.	N.D.

Test Item	Test condition	Unit	MDL	Limit	06	07	08	09
Antimony (Sb)		mg/kg	1	500	N.D.	N.D.	N.D.	N.D.
Arsenic (As)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.
Barium (Ba)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	Isooctane	mg/kg	1	100	N.D.	N.D.	N.D.	N.D.
Chromium (Cr)	(40℃,0.5h)	mg/kg	1	1000	N.D.	N.D.	N.D.	N.D.
Lead (Pb)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)		mg/kg	1	50	N.D.	N.D.	N.D.	N.D.
Selenium(Se)		mg/kg	1	100	N.D.	N.D.	N.D.	N.D.

Note:

(1) 1mg/kg=0.0001%;

(2) N.D. = Not Detected (<MDL);

(3) MDL= Method Detection Limit.

8.Visible Color migration

Test Method:Test with reference to AP(89)1;Evaluation reference EN20105-A03.

Simulant Used	Test condition	01	02	03	04	05	06	07	08	Limit
Distilled water	50℃,5h	5	5	5	5	5	5	5	5	>4.5
3% Acetic acid	50℃,5h	5	5	5	5	5	5	5	5	>4.5
15% Ethanol	50℃,5h	5	5	5	5	5	5	5	5	>4.5
Olive oil	50℃,5h	5	5	5	5	5	5	5	5	>4.5

Simulant Used	Test condition	09	10	11	12	13	14	15	Limit
Distilled water	50℃,5h	5	5	5	5	5	5	5	>4.5
3% Acetic acid	50℃,5h	5	5	5	5	5	5	5	>4.5
15% Ethanol	50℃,5h	5	5	5	5	5	5	5	>4.5
Olive oil	50℃,5h	5	5	5	5	5	5	5	>4.5

Scale evaluation:

1: Severe migration

2: High migration

3: Medium migration

4: Low migration

5: No migration

9.Carbon Black（only for carbon black）

Test Method:Test with reference to AP(89)1.

Testing process:The sample was dried at 1050℃ for 1h, 10g(M_0) carbon black sample was put into Soxhlet extraction device, 150mL toluene was added for 8h, toluene was appropriately added every 6min, cooled, evaporated and concentrated, transferred to the crucible (M_1), dried at 140℃ for 2h,

and the crucible (M_2) was weighed in the dryer.

Test Item	MDL	Limit	01	02	03	04	05
Carbon Black	0.05%	0.15%	N.D.	N.D.	N.D.	N.D.	N.D.

Test Item	MDL	Limit	06	07	08	09
Carbon Black	0.05%	0.15%	N.D.	N.D.	N.D.	N.D.

Note:
(1) 1mg/kg=0.0001%;
(2) < =less than;
(3) N.D. = Not Detected (<MDL);
(4) MDL= Method Detection Limit;
(5) Content=(M_1-M_2)/M_0.

10.Unsulphonated Aromatic Amine content

Test Method:Test with reference to EN14362-1,determined by GC-MS.

Test Item	Unit	MDL	Limit	01	02	03	04	05
Unsulphonated Aromatic Amine	mg/kg	1	10	N.D.	N.D.	N.D.	N.D.	N.D.

Test Item	Unit	MDL	Limit	06	07	08	09
Unsulphonated Aromatic Amine	mg/kg	1	10	N.D.	N.D.	N.D.	N.D.

Note:
(1) 1mg/kg=0.0001%;
(2) N.D. = Not Detected (<MDL);
(3) MDL= Method Detection Limit.

11.Inorganic cadmium pigments

Test Method: With reference to AP(89)1, determined by ICP-OES.
Test conditions: 0.1mol/L HCL, 230℃, 0.5h

Test Item	Unit	MDL	Limit	01	02	03	04	05
Cadmium (Cd)	mg/kg	1	10	N.D.	N.D.	N.D.	N.D.	N.D.

Test Item	Unit	MDL	Limit	06	07	08	09
Cadmium (Cd)	mg/kg	1	10	N.D.	N.D.	N.D.	N.D.

Note:
(1) 1mg/kg=0.0001%;
(2) N.D. = Not Detected (<MDL);
(3) MDL= Method Detection Limit.

12.PCBs content

Test Method: With reference to AP(89)1,determined by GC-MS.

Test Item	Unit	MDL	Limit	01	02	03	04	05
PCBs	mg/kg	1	25	N.D.	N.D.	N.D.	N.D.	N.D.

Test Item	Unit	MDL	Limit	06	07	08	09
PCBs	mg/kg	1	25	N.D.	N.D.	N.D.	N.D.

Note:

(1) 1mg/kg=0.0001%;

(2) N.D. = Not Detected (<MDL);

(3) MDL= Method Detection Limit.

13.Sulphonated Aromatic Amine content

Test Method:Test with reference to EN14362-1,determined by GC-MS.

Test Item	Unit	MDL	Limit	01	02	03	04	05
Sulphonated Aromatic Amine	mg/kg	1	10	N.D.	N.D.	N.D.	N.D.	N.D.

Test Item	Unit	MDL	Limit	06	07	08	09
Sulphonated Aromatic Amine	mg/kg	1	10	N.D.	N.D.	N.D.	N.D.

Note:

(1) 1mg/kg=0.0001%;

(2) N.D. = Not Detected (<MDL);

(3) MDL= Method Detection Limit.

14.VOM-BfR Besummung von fluchtigen Verbindungen in Bedarfsgegenstanden aus silicone Version2 Stand: 09/2023

Test Method: With reference to 19. Mitteilung über die Untersuchung von Kunststoffen. Bundesgesundheitsblatt 14(1971)265

Test condition	MDL (%)	Limit (%)	10	11	12	13	14	15
200℃，4h	0.1	0.5	0.3	0.3	0.2	0.3	0.2	0.3

Note:

(1) 1mg/kg=0.0001%;

(2) < =less than;

(3) N.D. = Not Detected (<MDL);

(4) MDL= Method Detection Limit.

15.Total Lead (Pb)、Cadmium (Cd)、Zinc (Zn)、Platinum (Pt)

Test Method:With reference to EPA METHOD 3052:1996, analyzed by ICP-OES.

Test Item	Unit	MDL	Limit	10	11	12	13	14	15
Lead (Pb)	mg/kg	5	100	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Cadmium (Cd)	mg/kg	5	100	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Zinc (Zn)	mg/kg	5	100	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Platinum (Pt)	mg/kg	5	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Note:
(1)1mg/kg=0.0001%;
(2)N.D. = Not Detected (<MDL);
(3)MDL= Method Detection Limit.

16.Peroxides Value

Test Method:With reference to European Pharmacopeia, Ph.Eur.Method 2.5.5

Test Item	Limit	10			11			Conclusion
		1st	2nd	3rd	1st	2nd	3rd	
Peroxides value	Absent	Absent	Absent	Absent	Absent	Absent	Absent	PASS

Test Item	Limit	12			13			Conclusion
		1st	2nd	3rd	1st	2nd	3rd	
Peroxides value	Absent	Absent	Absent	Absent	Absent	Absent	Absent	PASS

Test Item	Limit	14			15			Conclusion
		1st	2nd	3rd	1st	2nd	3rd	
Peroxides value	Absent	Absent	Absent	Absent	Absent	Absent	Absent	PASS

17.Extractive Substance

Test Method:The test was performed according to the 61st Communication on testing of plastics Bundesgesundheitsbl.46(2003)362

Simulant Used	Test duration /Temperature	Unit	Limit	10			11		
				1st	2nd	3rd	1st	2nd	3rd
Distilled water	Reflux for 5 hours	%	0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3% Acetic acid	Reflux for 5 hours	%	0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10% Ethanol	Reflux for 5 hours	%	0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Simulant Used	Test duration /Temperature	Unit	Limit	12			13		
				1st	2nd	3rd	1st	2nd	3rd
Distilled water	Reflux for 5 hours	%	0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3% Acetic acid	Reflux for 5 hours	%	0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10% Ethanol	Reflux for 5 hours	%	0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Simulant Used	Test duration /Temperature	Unit	Limit	14			15		
				1st	2nd	3rd	1st	2nd	3rd
Distilled water	Reflux for 5 hours	%	0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3% Acetic acid	Reflux for 5 hours	%	0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10% Ethanol	Reflux for 5 hours	%	0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Note:
(1) 1mg/kg=0.0001%;
(2) < =less than.

18.Organic Tin content

Test method :With reference to ISO 17353 :2004, analysis was performed by GC-MS.

Test Item	Unit	MDL	Limit	10	11	12	13	14	15
Dibutyltin (DBT)	mg/kg	0.01	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tributyltin (TBT)	mg/kg	0.01	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Triphenyltin (TPT)	mg/kg	0.01	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Dioctyltin（DOT）	mg/kg	0.01	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Monobutyltin (MBT)	mg/kg	0.01	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Monooctyltin (MOT)	mg/kg	0.01	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tetrabutyltin (TTBT)	mg/kg	0.01	1	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Note:
(1) 1mg/kg=0.0001%;
(2) N.D. = Not Detected (<MDL);
(3) MDL= Method Detection Limit.

19.Specific Migration of - Bisphenol A (BPA)

Test Method: With reference to BS EN 13130-1: 2004,determined by LC-MS.
Test conditions: 3% acetic acid, 70℃, 2h

Test Item	Unit	MDL	Limit	01			02		
				1st	2nd	3rd	1st	2nd	3rd
Bisphenol A	mg/kg	0.01	0.05	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Test Item	Unit	MDL	Limit	03			04		
				1st	2nd	3rd	1st	2nd	3rd
Bisphenol A	mg/kg	0.01	0.05	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Note:
(1) 1mg/kg=0.0001%;
(2) N.D. = Not Detected (<MDL);
(3) MDL= Method Detection Limit.

20.Specific Migration of - Hexene

Test Method: With reference to BS EN 13130-1: 2004,determined by GC-MS.

Simulant Used	Time	Temperature	Unit	Limit	05	06	07	08	09
3% Acetic acid	24h	40℃	mg/kg	3	N.D.	N.D.	N.D.	N.D.	N.D.
10% Ethanol	24h	40℃	mg/kg	3	N.D.	N.D.	N.D.	N.D.	N.D.
Olive oil	24h	40℃	mg/kg	3	N.D.	N.D.	N.D.	N.D.	N.D.

Note:

(1) 1mg/kg=0.0001%;

(2) N.D. = Not Detected (<MDL);

(3) MDL= Method Detection Limit.

21.Specific Migration of - Octene

Test Method: With reference to BS EN 13130-1: 2004,determined by GC-MS.

Simulant Used	Time	Temperature	Unit	Limit	05	06	07	08	09
3% Acetic acid	24h	40℃	mg/kg	3	N.D.	N.D.	N.D.	N.D.	N.D.
10% Ethanol	24h	40℃	mg/kg	3	N.D.	N.D.	N.D.	N.D.	N.D.
Olive oil	24h	40℃	mg/kg	3	N.D.	N.D.	N.D.	N.D.	N.D.

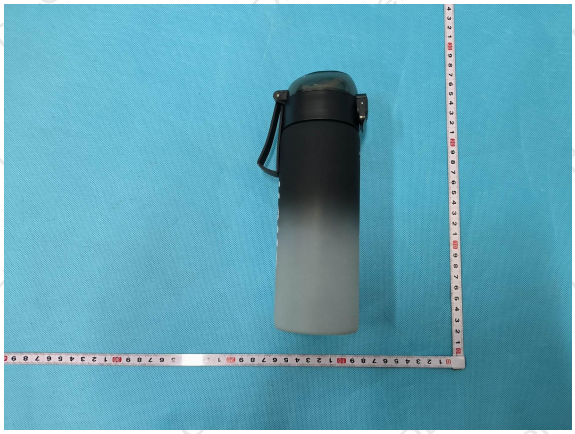
Note:

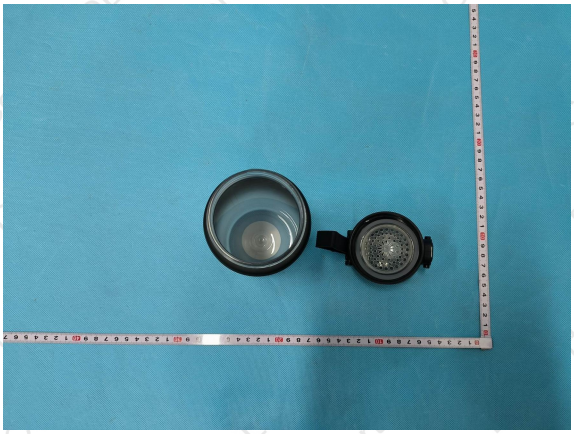
(1) 1mg/kg=0.0001%;

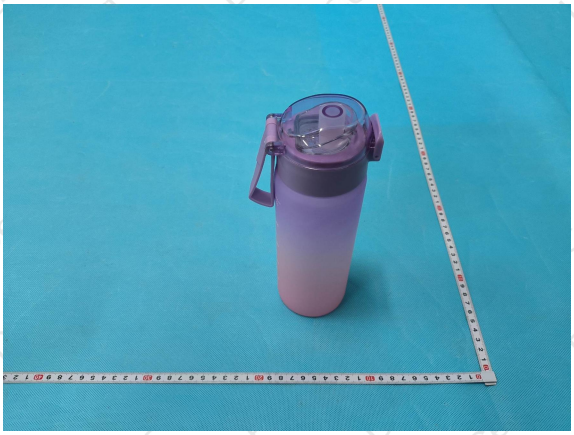
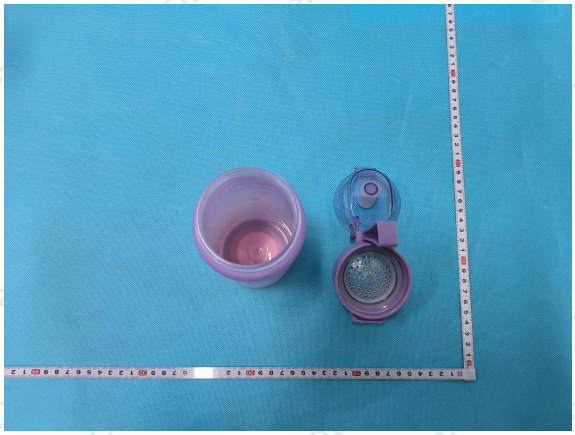
(2) N.D. = Not Detected (<MDL);

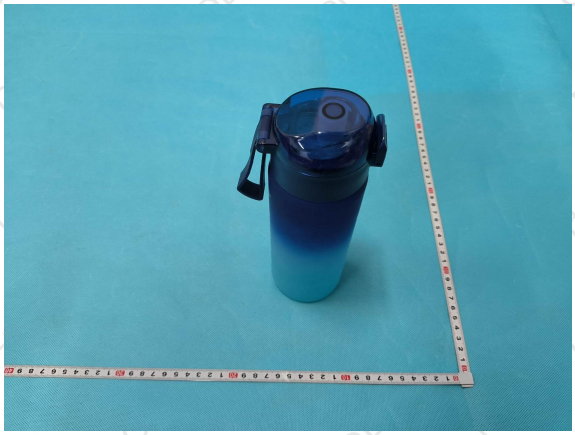
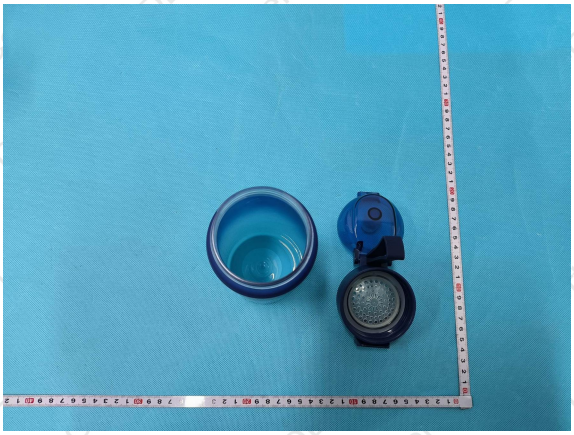
(3) MDL= Method Detection Limit.

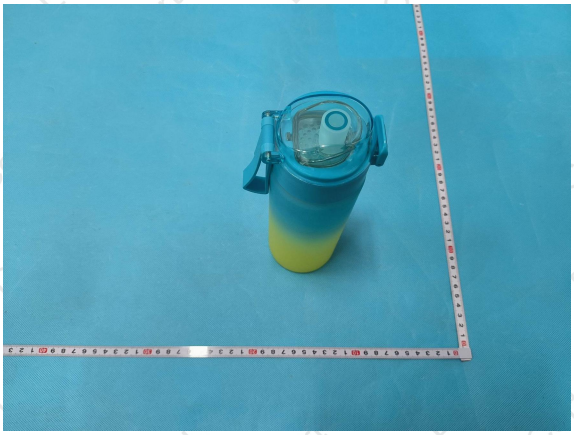
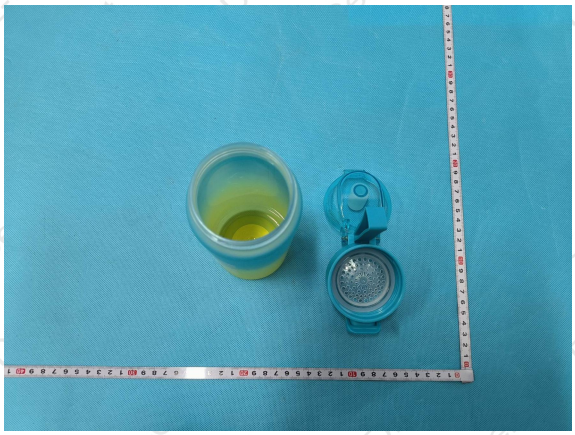
Sample Photo



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