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TEST REPORT

Test Report #	22A-003522	Date of Report Issue:	May 18, 2022
Date of Sample Received:	May 10, 2022	Pages:	Page 1 of 21

CLIENT INFORMATION:

Company:	BEL USA LLC
Address:	12610 NW 115 Avenue, Bldg. 200 Medley, FL 33178, USA

SAMPLE INFORMATION:

Product Name:	S/S vacuum food container 600ml, Cork bottom S/S vacuum travel mug, S/S vacuum stemless travel mug, S/S water bottle
Test Type:	Full Test
Model/style No.:	FC002,TM361,TM378,SB141
PO No.:	PO2203000021, PO2203000006, PO2202000005
Buyer:	-
Supplier:	-
Country of Distribution:	United States
Country of Origin:	China
Testing Period:	05/11/2022-05/18/2022

OVERALL RESULT: **PASS with information**

Please refer to the following pages for test result summary and appropriate notes.

QIMA (HANGZHOU) TESTING CO., LTD.

Jeremy Xu
Chemical Laboratory Supervisor

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TEST RESULTS SUMMARY:

At the request of the client, the following tests were conducted:

CONCLUSION	TEST(S) CONDUCTED
PASS	California Proposition 65, Total Lead in Paints and Surface Coatings
PASS	California Proposition 65, Total Lead in Substrate Materials
PASS	The Illinois Lead Poisoning Prevention Act (LPPA) (410 ILCS 45/6), Total Lead in Paints and Surface Coatings of Other Items
PASS	The Illinois Lead Poisoning Prevention Act (LPPA) (410 ILCS 45/6), Total Lead in Substrate Materials of Other Items
PASS	California Proposition 65, Bisphenol A content
PASS	Client's requirement, Bisphenol A content
PASS	California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)
PASS	FDA 21 CFR 175.300, Resinous and Polymeric Coatings
PASS	FDA 21 CFR 177.1210, Closures with Sealing Gaskets
PASS	FDA 21 CFR 177.1520, Polypropylene Homopolymers
PASS	FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Butadiene/Styrene Copolymers
PASS	FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymers
PASS	California Proposition 65, Lead and Cadmium – External Decoration
Information only	FDA/GRAS Evaluation- Chemical Composition Analysis of Metal

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DETAILED RESULTS:

California Proposition 65, Total Lead in Paints and Surface Coatings

Test Method: CPSC-CH-E1003-09.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+5	11+13	---	---	---	**Limit (mg/kg)**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	ND	---	---	---	**90**
Conclusion	PASS	PASS	---	---	---	

Note:
mg/kg =Milligrams per kilogram
LT = Less than
ND = Not detected (Reporting Limit = 15mg/kg)
Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:
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DETAILED RESULTS:

California Proposition 65, Total Lead in Substrate Materials

Test Method: CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	3+7+8	4	9	10+16	15	**Limit (mg/kg)**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	ND	ND	ND	ND	**100**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	17	18	19	---	---	**Limit (mg/kg)**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	ND	ND	---	---	**100**
Conclusion	PASS	PASS	PASS	---	---	

Note:
mg/kg =Milligrams per kilogram
LT = Less than
ND = Not detected (Reporting Limit =15 mg/kg)
Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:
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DETAILED RESULTS:

The Illinois Lead Poisoning Prevention Act (LPPA) (410 ILCS 45/6), Total Lead in Paints and Surface Coatings of Other Items

Test Method: CPSC-CH-E1003-09.1
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	1+5	11+13	---	---	---	**Total Limit (mg/kg)**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Total Lead (Pb)	ND	ND	---	---	---	**600**
Conclusion	PASS	PASS	---	---	---	

Note:
mg/kg=Milligrams per kilogram
LT = Less than
ND = Not detected (Reporting Limit = 15mg/kg)
Composite results are based on specimen of least mass resulting in highest potential concentration.

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DETAILED RESULTS:

The Illinois Lead Poisoning Prevention Act (LPPA) (410 ILCS 45/6), Total Lead in Substrate Materials of Other Items

Test Method: CPSC-CH-E1001-08.3 (Metal) and/or CPSC-CH-E1002-08.3 (Non-Metal)
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry

Specimen No.	3+7+8	4	9	10+16	15	**Total**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	**Limit (mg/kg)**
Total Lead (Pb)	ND	ND	ND	ND	ND	**600**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	17	18	19	---	---	**Total**
Test Item	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	**Limit (mg/kg)**
Total Lead (Pb)	ND	ND	ND	---	---	**600**
Conclusion	PASS	PASS	PASS	---	---	

Note:
mg/kg=Milligrams per kilogram
LT = Less than
ND = Not detected (Reporting Limit = 15mg/kg)
Composite results are based on specimen of least mass resulting in highest potential concentration.

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DETAILED RESULTS:

California Proposition 65, Bisphenol A content

Test Method: In-House Method
Analytical Method: Liquid Chromatography-Mass Spectrometer Mass Spectrometer (LC-MS/MS)

Specimen No.		3+7+8	16	17	---	**Client's limit (mg/kg)**
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	---	**Not Detected**
Conclusion		PASS	PASS	PASS	---	

Note:
mg/kg=milligram per kilogram
ND=Not Detected (Reporting limit = 0.1mg/kg)
Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:
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DETAILED RESULTS:

Client's requirement, Bisphenol A content

Test Method: In-House Method
Analytical Method: Liquid Chromatography-Mass Spectrometer Mass Spectrometer (LC-MS/MS)

Specimen No.		3+7+8	16	17	---	**Client's limit (mg/kg)**
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	---	**Not Detected**
Conclusion		PASS	PASS	PASS	---	

Note:
mg/kg=milligram per kilogram
ND=Not Detected (Reporting limit = 1.0mg/kg)
Composite results are based on specimen of least mass resulting in highest potential concentration.

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DETAILED RESULTS:

California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)

Test Method: CPSC-CH-C1001-09.4
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1+5	3+7+8	9	10+16	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	**1000**
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	**1000**
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	**1000**
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	**1000**
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	ND	**1000**
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	ND	ND	ND	**1000**
Conclusion		PASS	PASS	PASS	PASS	

Note:
mg/kg (Milligrams per kilogram) = 0.0001 % w/w (Percent by weight)
LT = Less than
ND = Not detected (Reporting Limit = 150 mg/kg)
Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:
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DETAILED RESULTS:

California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)

Test Method: CPSC-CH-C1001-09.4
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		11+13	17	---	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	---	---	**1000**
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	---	---	**1000**
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	---	---	**1000**
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	---	---	**1000**
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	---	---	**1000**
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	ND	---	---	**1000**
Conclusion		PASS	PASS	---	---	

Note:
mg/kg (Milligrams per kilogram) = 0.0001 % w/w (Percent by weight)
LT = Less than
ND = Not detected (Reporting Limit = 150 mg/kg)
Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:
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DETAILED RESULTS:

FDA 21 CFR 175.300, Resinous and Polymeric Coatings

Test Method: FDA 21 CFR 175.300

Specimen No.			2	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in^2)	Fill boiling	Cooling to 100°F	ND	**0.1**	**18**
n-Heptane extractive (mg/in^2)	120°F	0.25 hours	ND	**0.1**	**18**
8% Ethanol extractive (mg/in^2)	Fill boiling	Cooling to 100°F	ND	**0.1**	**18**
Conclusion			PASS		

Specimen No.			6	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in^2)	Fill boiling	Cooling to 100°F	ND	**0.1**	**18**
n-Heptane extractive (mg/in^2)	120°F	0.25 hours	ND	**0.1**	**18**
8% Ethanol extractive (mg/in^2)	Fill boiling	Cooling to 100°F	ND	**0.1**	**18**
Conclusion			PASS		

Note:
Temp. = Temperature
°F = Degree Fahrenheit
mg/in^2= Milligrams per square inch
LT = Less than
ND = Not detected. Result value is less than reporting limit (RL).

Remark:
The specification is quoted from 21 CFR 175.300 (c) (3).

Test(s) marked with 'ϕ' was subcontracted to external laboratory.
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DETAILED RESULTS:

FDA 21 CFR 175.300, Resinous and Polymeric Coatings

Test Method: FDA 21 CFR 175.300

Specimen No.			12	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/in^2)	Fill boiling	Cooling to 100°F	ND	**0.1**	**18**
n-Heptane extractive (mg/in^2)	120°F	0.25 hours	ND	**0.1**	**18**
8% Ethanol extractive (mg/in^2)	Fill boiling	Cooling to 100°F	ND	**0.1**	**18**
Conclusion			PASS		

Note:
Temp. = Temperature
°F = Degree Fahrenheit
mg/in^2= Milligrams per square inch
LT = Less than
ND = Not detected. Result value is less than reporting limit (RL).

Remark:
The specification is quoted from 21 CFR 175.300 (c) (3).

Test(s) marked with 'ϕ' was subcontracted to external laboratory.
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DETAILED RESULTS:

FDA 21 CFR 177.1210, Closures with Sealing Gaskets

Test Method: FDA 21 CFR 177.1210

Specimen No.			17	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (mg/kg)	Fill boiling	Cooling to 100°F	ND	**10**	**50**
n-Heptane extractive (mg/kg)	120°F	0.25 hours	ND	**10**	**50**
8% Ethanol extractive (mg/kg)	Fill boiling	Cooling to 100°F	ND	**10**	**50**
Conclusion			PASS		

Note:
Temp. = Temperature
°F = Degree Fahrenheit
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not detected. Result value is less than reporting limit (RL).

Remark:
The specification is quoted from 21 CFR 177.1210 Table 2 Section 3.

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DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Homopolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			3	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.899	**NA**	**0.880 – 0.913**
Melting point (°C)	NA	NA	162	**NA**	**150 – 180**
n-Hexane extractive (% w/w)	Reflux	2 hours	0.49	**0.1**	**6.4**
Xylene extractive (% w/w)	Reflux	2 hours	1.63	**0.5**	**9.8**
Conclusion			PASS		

Specimen No.			16	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.900	**NA**	**0.880 – 0.913**
Melting point (°C)	NA	NA	165	**NA**	**150 – 180**
n-Hexane extractive (% w/w)	Reflux	2 hours	0.41	**0.1**	**6.4**
Xylene extractive (% w/w)	Reflux	2 hours	1.65	**0.5**	**9.8**
Conclusion			PASS		

Note:
Temp. = Temperature
°C = Degree Celsius
g/cc = Grams per cubic centimeter
% w/w = Percent by weight
NA = Not applicable
LT = Less than
ND = Not detected. Result value is less than reporting limit (RL).

Remark:
The specification is quoted from 21 CFR 177.1520 (c) 1.1.

Test(s) marked with 'ϕ' was subcontracted to external laboratory.
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DETAILED RESULTS:

FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Butadiene/Styrene Copolymers

Test Method: FDA 21 CFR 180.22 and 181.32
Analytical Method: Headspace-Gas Chromatography with Mass Spectrometry

Acrylonitrile Monomers:

Specimen No.			8		
Test Simulant	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
3% Acetic acid extractive (mg/in^2)	120°F	2 hours	ND	**0.001**	**0.003**
Conclusion			PASS		

Note:
Temp. = Temperature
°F = Degree Fahrenheit
mg/in^2 = Milligrams per square inch
LT = Less than
ND = Not detected. Result value is less than reporting limit (RL).

Remark:
The specification is quoted from 21 CFR 181.32 (b) (3).

Test(s) marked with 'ϕ' was subcontracted to external laboratory.
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DETAILED RESULTS:

FDA 21 CFR 180.22 and 181.32, Acrylonitrile/Styrene Copolymers

Test Method: FDA 21 CFR 180.22 and 181.32
Analytical Method: Headspace-Gas Chromatography with Mass Spectrometry

Acrylonitrile Monomers:

Specimen No.			7		
Test Simulant	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
3% Acetic acid extractive (mg/in^2)	120°F	2 hours	ND	**0.001**	**0.003**
Conclusion			PASS		

Note:
Temp. = Temperature
°F = Degree Fahrenheit
mg/in^2 = Milligrams per square inch
LT = Less than
ND = Not detected. Result value is less than reporting limit (RL).

Remark:
The specification is quoted from 21 CFR 181.32 (b) (3).

Test(s) marked with 'ϕ' was subcontracted to external laboratory.
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DETAILED RESULTS:

California Proposition 65, Lead and Cadmium – External Decoration

Test Method: NIOSH Method 9100
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry/Inductively Coupled Plasma-Mass Spectrometry

Specimen No.	2	6	12	14	---	**Limit (µg/article)**
Test Item	Result (µg/article)	Result (µg/article)	Result (µg/article)	Result (µg/article)	Result (µg/article)	
Lead (Pb)	ND	ND	ND	ND	---	**1.0**
Cadmium (Cd)	ND	ND	ND	ND	---	**4.0**
Conclusion	PASS	PASS	PASS	PASS	---	

Note:
µg/article = Micrograms per article
LT = Less than
ND = Not detected (Reporting Limit = 0.4 µg/article)

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DETAILED RESULTS:

FDA/GRAS Evaluation- Chemical Composition Analysis of Metal

Test method: SN/T 2718-2010 & GB/T 20123-2006 & GB/T 223.59-2008
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry
Ultraviolet-Visible Spectrophotometry
C-S analyzer
Test result: The sample **meets** the chemical requirements of AISI 304 stainless steel.

Specimen No.:	4	---	---	---	---
Test Item	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)
Carbon (C)	0.054$^{\phi}$	---	---	---	---
Sulphur (S)	0.0033$^{\phi}$	---	---	---	---
Silicon (Si)	0.65	---	---	---	---
Manganese (Mn)	1.07	---	---	---	---
Phosphorus (P)	0.02	---	---	---	---
Chromium (Cr)	19.54	---	---	---	---
Nickel (Ni)	8.35	---	---	---	---
Type of Stainless steel Name	AISI 304	---	---	---	---
Conclusion	Information only	---	---	---	---

Note:
% m/m = Percent by mass
LT = Less than

Type of Stainless steel Name	C	S	Si	Mn	P	Cr	Ni	Mo	Cu
AISI 304	≤0.08	≤0.03	≤1.00	≤2.00	≤0.045	18~20	8~11	-	-

Test(s) marked with 'ϕ' was subcontracted to external laboratory.
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DETAILED RESULTS:

FDA/GRAS Evaluation- Chemical Composition Analysis of Metal

Test method: SN/T 2718-2010 & GB/T 20123-2006 & GB/T 223.59-2008
Analytical Method: Inductively Coupled Plasma-Optical Emission Spectrometry
Ultraviolet-Visible Spectrophotometry
C-S analyzer
Test result: The sample **not meets** the chemical requirements of AISI 201 stainless steel.

Specimen No.:	15	---	---	---	---
Test Item	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)	Result (% m/m)
Carbon (C)	0.131$^{\phi}$	---	---	---	---
Sulphur (S)	0.0046$^{\phi}$	---	---	---	---
Silicon (Si)	0.34	---	---	---	---
Manganese (Mn)	8.58	---	---	---	---
Phosphorus (P)	0.02	---	---	---	---
Chromium (Cr)	14.43	---	---	---	---
Nickel (Ni)	1.40	---	---	---	---
Type of Stainless steel Name	AISI 201	---	---	---	---
Conclusion	Information only	---	---	---	---

Note:
% m/m = Percent by mass
LT = Less than

Type of Stainless steel Name	C	S	Si	Mn	P	Cr	Ni	Mo	Cu
AISI 201	≤0.15	≤0.03	≤0.10	5.50~7.50	≤0.060	16~18	3.5~5.5	-	-

Test(s) marked with 'ϕ' was subcontracted to external laboratory.
The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein.
If it is not further specified in the report, the decision rule for stating conformity is based on the QIMA decision rule.
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SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Bright grey coating	Exterior (FC002)
2	Bright grey coated silvery metal	Exterior (FC002)
3	Grey plastic	Inner lid (FC002)
4	Silvery metal	Interior (FC002)
5	Grey coating	Exterior (TM361)
6	Grey coated silvery metal	Exterior (TM361)
7	Transparent black plastic	Lid (TM361)
8	Transparent black plastic	Slider of lid (TM361)
9	Brown soft plastic with brown sawdust	Base (TM361)
10	Dark grey plastic	Base (TM361)
11	Black coating	Exterior (TM378)
12	Black coated silvery metal	Exterior (TM378)
13	Blue coating	Exterior (SB141)
14	Blue coated silvery metal	Exterior (SB141)
15	Silvery metal	Interior (SB141)
16	Black plastic	Main body of lid (SB141)
17	Translucent soft plastic	Big sealing ring (SB141)
18	Silvery metal	Ring (SB141)
19	Silvery metal	Main body of lobster clasp (SB141)

Test(s) marked with 'ϕ' was subcontracted to external laboratory.
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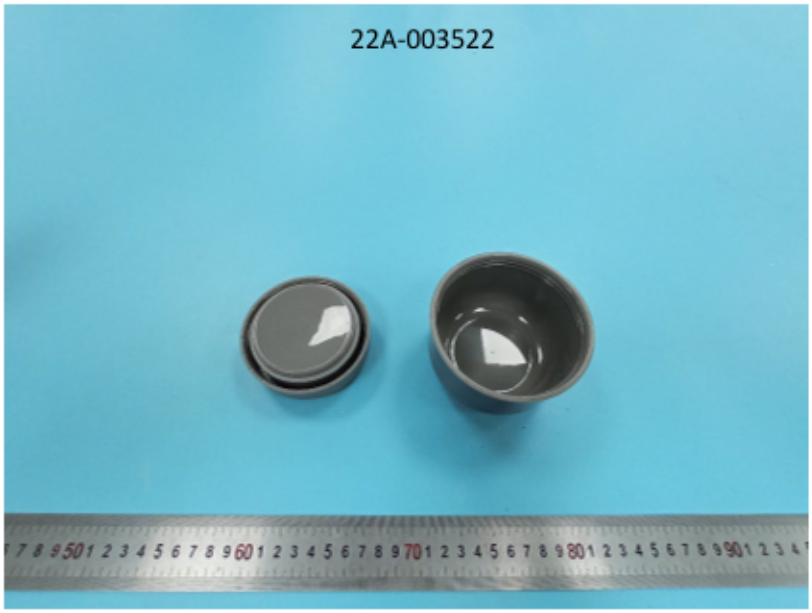
SAMPLE PHOTO:



-End Report-

Test(s) marked with 'ϕ' was subcontracted to external laboratory.
The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and method /regulation section(s) tested as described herein.
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