

Test Report

No.: GZHL1901003856CW

Date: Mar 13, 2019

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B.BOX FOR KIDS P/L
UNIT 5, 677 SPRINGVALE ROAD, MULGRAVE VIC 3170

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : BOWL + STRAW, BOWL + STRAW XL, CUTLERY, PLATE
Buyer : B.BOX FOR KIDS P/L
Country of Origin : CHINA
Country of Destination : AUSTRALIA, EU, USA
Test Performed : Selected test(s) as requested by applicant
Sample Receiving Date : Jan 25, 2019
Test Performing Date : Jan 25, 2019 to Mar 13, 2019
Test Result(s) : For further details, please refer to the following page(s)

Test Requested	Result
Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004—Volatile organic matter (VOM)	PASS
EN 14372:2004 (Excluding clause 7)	PASS
CPSC 16 CFR 1500.48 & 1501 - Sharp Points and Small Parts	PASS
CPSC 16 CFR 1500.49 - Sharp Edges	NA
CPSIA section 101(a)(2) - Lead in accessible substrate materials	PASS
Consumer Product Safety Commission - 16 CFR Part 1307, Final Rule, amending CPSIA section 108, Prohibition on Sale of Certain Products Containing Specified Phthalates	PASS
FDA 21 CFR 177.1520—Maximum extractable fraction in n-Hexane	PASS
FDA 21 CFR 177.1520—Maximum soluble fraction in xylene	PASS
EN 14372: 2004— Migration of certain elements	PASS
EN 14372: 2004 – Phthalate content	PASS
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments—Overall migration	PASS
Council of Europe Resolution AP (2004) 4 – Specific Migration of Primary Aromatic Amine	PASS
Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments—Specific Migration of Heavy Metal	PASS
Council of Europe Resolution AP (2004) 4 – Specific Migration of N-Nitrosamines and N-Nitrosatable substances	PASS



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Commission Regulation (EU) 2018/213 of 12 February 2018 amending Regulation (EU) No 10/2011-Total Content of Bisphenol A	PASS
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Remark:

1. NA = Not Applicable.
2. Test results in this report are applicable for the item tested and reflects the tested sample as received.
3. For compliance with Public Law 110-314 (Consumer Product Safety Improvement Act of 2008, CPSIA).

Signed for and on behalf of
Guangzhou Branch
SGS-CSTC Ltd.




Arthur Mak
Approved Signatory



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I . SGS Ref No.: CANHG1902886001

Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN19-028860.001	Translucent silicone rubber straw	silicone rubber

Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004–Volatile organic matter (VOM)

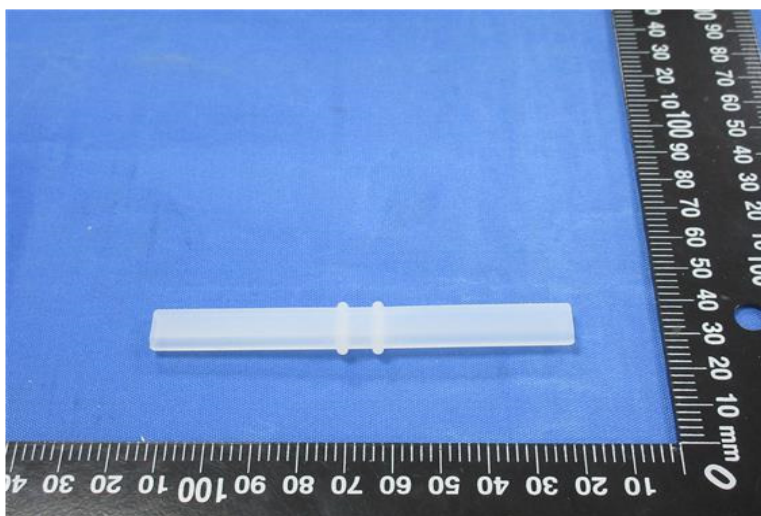
Test Method : With reference to EN 14372:2004, Clause 6.3.3.

Test Item(s)	Limit	Unit	MDL	001
Volatile Compounds Content	0.5	%(w/w)	0.10	0.17
Comment				PASS

Notes :

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

Sample photo:



CAN19-028860.001



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II. The content of this test report is extracted from the test report number GZHL1901000254IP
Part 1 - Test conducted: EN 14372: 2004 Child use and care articles — Cutlery and feeding utensils — Safety requirements and tests
Number of Tested Sample: 10 pieces
Test result:

Clause	Test Item / Test Requirement / Test Method	Test Result
5	Requirements	
5.1	General All materials of construction shall comply with the requirements in this document.	PASS
5.2	General requirements	
5.2.1	Visual and tactile examination All components of cutlery and feeding utensils when assembled for use, shall be free from points and edges which are likely to cause injury. The article shall be free from splinters, burrs and flash.	PASS
5.2.2	Sharp points Accessible points shall not be sharp points as determined in accordance with 6.2.1.	PASS
5.2.3	Sharp edges Accessible edges shall not be sharp edges as determined in accordance with 6.2.2.	PASS
5.2.4	Small parts When inserted into a small parts cylinder no component part of tested sample shall fit entirely within the cylinder in any orientation and without compression.	PASS
5.2.5	Holes (Finger traps) To avoid entrapment of fingers there shall be no accessible hole which allows the insertion of a 5,5 mm diameter rod, unless the accessible hole also allows the insertion of a 12 mm diameter rod or has a penetration of less than 10 mm. This requirement applies only to components made of materials with a Shore A hardness of more than 60 IRHDs.	PASS
5.2.6	Printed decorations When tested in accordance with EN ISO 2409, no print from decoration shall be removed from any product. Adhesive labels shall not be used.	PASS
5.3	Mechanical requirements	
5.3.1	Tensile strength All products with more than one component and which are intended to be held by a child shall be tested as described in 6.2.3. No component shall break, tear or separate during this test.	PASS
5.3.2	Torque test If a component can be gripped between thumb and forefinger, it shall be torque tested according to EN 71-1. No component shall break, tear or separate during this test.	PASS
5.3.3	Tear resistance Components produced out of materials with a Shore A hardness of less than 60 IRHDs but excluding suction pads shall be tested as described in 6.2.4. The tested component shall not break, tear or separate during the subsequent tensile test.	PASS



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Clause	Test Item / Test Requirement / Test Method	Test Result
5.3.4	Strength/rigidity When tested in accordance with 6.2.5, no component of cutlery shall break, tear or separate.	PASS
5.3.5	Drop test All products shall be tested in accordance with EN 71-1. If the product breaks, a warning shall be provided as given in 7.4.	PASS
5.4	Chemical requirements	PASS
7	Product information	
7.1	General The text shall be printed in the official languages of the country of retail sale. If other languages are included, they shall be easy to distinguish, e.g. by separate presentation. The text shall be clearly legible. Sentences shall be short and of simple construction. The words used shall be uncomplicated and in everyday use. NOTE It is recommended that products or the packaging be batch coded.	NT
7.2	Purchase information The following information shall be visible at the point of retail sale: NOTE Some examples are: on the packaging; on a leaflet placed inside the product but which is visible at the point of sale; printed on the side of the product. 1) name, trademark or other means identification, and the address of the manufacturer, distributor or retailer. The particulars may be abbreviated provided that the abbreviation enables the manufacturer, the distributor or the retailer to be identified and easily contacted; 2) number of this document, but not year; 3) recommended age range for using the product; 4) instructions for use given in 7.3, or if these are included in a leaflet within the packaging, a note indicating that this is the case.	NT
7.3	Instruction for use The following information shall be provided on the product, packaging or information leaflet: 1) information for the safe use of the product; 2) at least one method of cleaning; 3) before first use, clean the product; 4) unsuitable common methods of storage, cleaning and use which might damage the product (e.g. microwaves, sunlight, dishwasher detergent); 5) if the product can be used for heating food, unsuitable methods of heating.	NT



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Clause	Test Item / Test Requirement / Test Method	Test Result
7.4	Warnings The following warnings shall be provided on the product, packaging or information leaflet: For your child's safety and health Warning! Always use this product with adult supervision. Before each use, inspect the product. Throw away at the first sign of damage or weakness. If the product fails requirement 5.3.5, the following warning shall be provided in the form given: This product may break if dropped Always check food temperature before feeding. If the product is designed to contain a liquid used to heat the food, a warning indicating the possible dangers to the child shall be provided	NT

Remark: 1. NA = Not Applicable.

2. NT = Not tested as per client's request.

Sample Photo(s)



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Part 2 - Sharp Points, Sharp Edges and Small Parts

The submitted sample(s) was/were tested for compliance with the requirements of 16 CFR 1500.48 Sharp Points, 16 CFR 1500.49 Sharp Edges and 16 CFR 1501 Small Parts, both before and after simulating use and abuse tests.

		Sharp Points (1500.48)		Sharp Edges (1500.49)		Small Parts (1501)	
		Test methods	Result	Test methods	Result	Test methods	Result
Before simulating use and abuse tests		/	PASS	/	NA	/	PASS
	Impact test	1500.51(b)	PASS	1500.51(b)	NA	1500.51(b)	PASS
After simulating use and abuse tests	Flexure test	1500.53(d)	NA	1500.53(d)	NA	1500.52(d)	NA
	Torque test	1500.53(e)	PASS	1500.53(e)	NA	1500.52(e)	PASS
	Tension test	1500.53(f)	PASS	1500.53(f)	NA	1500.52(f)	PASS
	Compression test	1500.53(g)	PASS	1500.53(g)	NA	1500.52(g)	PASS

Remarks:

- Applicant's specified age grading for testing: Bowl + Straw – 6M+, Bowl + Straw XL – 12M+, Cutlery – 9M+, Plate – 6M+.
- NA = Not Applicable

Part 3 SGS Ref. No.: CAN19-001497

Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN19-001497.001	Yellow plastic(bowl)(yellow style)
SN2	CAN19-001497.002	Grey soft plastic(bowl base) (yellow style)
SN3	CAN19-001497.003	Grey transparent plastic(lid) (yellow style)
SN4	CAN19-001497.004	Grey soft plastic(insert) (yellow style)
SN5	CAN19-001497.005	Yellow plastic(clip) (yellow style)
SN6	CAN19-001497.006	Transparent silicone(straw) (all styles)
SN7	CAN19-001497.007	Transparent plastic(case) (all styles)
SN8	CAN19-001497.008	Fuchsia plastic(bowl)(fuchsia style)



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SN9	CAN19-001497.009	Orange soft plastic(bowl base) (fuchsia style)
SN10	CAN19-001497.010	Orange transparent plastic(lid) (fuchsia style)
SN11	CAN19-001497.011	Orange soft plastic(insert) (fuchsia style)
SN12	CAN19-001497.012	Fuchsia plastic(clip) (fuchsia style)
SN13	CAN19-001497.013	Blue plastic(bowl)(blue style)
SN14	CAN19-001497.014	Green soft plastic(bowl base) (blue style)
SN15	CAN19-001497.015	Green transparent plastic(lid) (blue style)
SN16	CAN19-001497.016	Green soft plastic(insert) (blue style)
SN17	CAN19-001497.017	Blue plastic(clip) (blue style)
SN18	CAN19-001497.018	Purple plastic(bowl)(purple style)
SN19	CAN19-001497.019	Kelly soft plastic(bowl base) (purple style)
SN20	CAN19-001497.020	Yellow transparent plastic(lid) (purple style)
SN21	CAN19-001497.021	Kelly soft plastic(insert) (purple style)
SN22	CAN19-001497.022	Purple plastic(clip) (purple style)

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

CPSIA section 101(a)(2) - Lead in accessible substrate materials (including Children's Metal Jewelry)

Test Method : With reference to CPSC-CH-E1002-08.3, analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit	MDL	001	002	003
Lead (Pb)	0.01	%(w/w)	0.002	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	004	005	006
Lead (Pb)	0.01	%(w/w)	0.002	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	007	008	009
Lead (Pb)	0.01	%(w/w)	0.002	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	010	011	012
Lead (Pb)	0.01	%(w/w)	0.002	ND	ND	ND



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Test Item(s)	Limit	Unit	MDL	013	014	015
Lead (Pb)	0.01	%(w/w)	0.002	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	016	017	018
Lead (Pb)	0.01	%(w/w)	0.002	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	019	020	021
Lead (Pb)	0.01	%(w/w)	0.002	ND	ND	ND

Test Item(s)	Limit	Unit	MDL	022
Lead (Pb)	0.01	%(w/w)	0.002	ND

CONSUMER PRODUCT SAFETY COMMISSION---16 CFR Part 1307,Final Rule, amending CPSIA section 108, Prohibition on Sale of Certain Products Containing Specified Phthalates

Test Method : With reference to CPSC-CH-C1001-09.4, analysis was performed by GC-MS.

Test Item(s)	CAS NO.	Limit	Unit	MDL	002
Benzylbutyl Phthalate (BBP)	85-68-7	0.1	%(w/w)	0.005	ND
Dibutyl Phthalate (DBP)	84-74-2	0.1	%(w/w)	0.005	ND
Dicyclohexyl Phthalate (DCHP)	84-61-7	0.1	%(w/w)	0.005	ND
Di(2-ethylhexyl)phthalate(DEHP)	117-81-7	0.1	%(w/w)	0.005	ND
Dihexyl Phthalates (DHEXP/ DnHP)	84-75-3	0.1	%(w/w)	0.005	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%(w/w)	0.005	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	0.1	%(w/w)	0.005	ND
Dipentyl Phthalates (DPENP/DnPP)	131-18-0	0.1	%(w/w)	0.005	ND

Test Item(s)	CAS NO.	Limit	Unit	MDL	004
Benzylbutyl Phthalate (BBP)	85-68-7	0.1	%(w/w)	0.005	ND
Dibutyl Phthalate (DBP)	84-74-2	0.1	%(w/w)	0.005	ND
Dicyclohexyl Phthalate (DCHP)	84-61-7	0.1	%(w/w)	0.005	ND
Di(2-ethylhexyl)phthalate(DEHP)	117-81-7	0.1	%(w/w)	0.005	ND
Dihexyl Phthalates (DHEXP/ DnHP)	84-75-3	0.1	%(w/w)	0.005	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%(w/w)	0.005	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	0.1	%(w/w)	0.005	ND
Dipentyl Phthalates (DPENP/DnPP)	131-18-0	0.1	%(w/w)	0.005	ND



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Test Item(s)	CAS NO.	Limit	Unit	MDL	006
Benzylbutyl Phthalate (BBP)	85-68-7	0.1	%(w/w)	0.005	ND
Dibutyl Phthalate (DBP)	84-74-2	0.1	%(w/w)	0.005	ND
Dicyclohexyl Phthalate (DCHP)	84-61-7	0.1	%(w/w)	0.005	ND
Di(2-ethylhexyl)phthalate(DEHP)	117-81-7	0.1	%(w/w)	0.005	ND
Dihexyl Phthalates (DHEXP/ DnHP)	84-75-3	0.1	%(w/w)	0.005	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%(w/w)	0.005	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	0.1	%(w/w)	0.005	ND
Dipentyl Phthalates (DPENP/DnPP)	131-18-0	0.1	%(w/w)	0.005	ND

Test Item(s)	CAS NO.	Limit	Unit	MDL	009
Benzylbutyl Phthalate (BBP)	85-68-7	0.1	%(w/w)	0.005	ND
Dibutyl Phthalate (DBP)	84-74-2	0.1	%(w/w)	0.005	ND
Dicyclohexyl Phthalate (DCHP)	84-61-7	0.1	%(w/w)	0.005	ND
Di(2-ethylhexyl)phthalate(DEHP)	117-81-7	0.1	%(w/w)	0.005	ND
Dihexyl Phthalates (DHEXP/ DnHP)	84-75-3	0.1	%(w/w)	0.005	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%(w/w)	0.005	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	0.1	%(w/w)	0.005	ND
Dipentyl Phthalates (DPENP/DnPP)	131-18-0	0.1	%(w/w)	0.005	ND

Test Item(s)	CAS NO.	Limit	Unit	MDL	011
Benzylbutyl Phthalate (BBP)	85-68-7	0.1	%(w/w)	0.005	ND
Dibutyl Phthalate (DBP)	84-74-2	0.1	%(w/w)	0.005	ND
Dicyclohexyl Phthalate (DCHP)	84-61-7	0.1	%(w/w)	0.005	ND
Di(2-ethylhexyl)phthalate(DEHP)	117-81-7	0.1	%(w/w)	0.005	ND
Dihexyl Phthalates (DHEXP/ DnHP)	84-75-3	0.1	%(w/w)	0.005	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%(w/w)	0.005	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	0.1	%(w/w)	0.005	ND
Dipentyl Phthalates (DPENP/DnPP)	131-18-0	0.1	%(w/w)	0.005	ND



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Test Item(s)	CAS NO.	Limit	Unit	MDL	014
Benzylbutyl Phthalate (BBP)	85-68-7	0.1	%(w/w)	0.005	ND
Dibutyl Phthalate (DBP)	84-74-2	0.1	%(w/w)	0.005	ND
Dicyclohexyl Phthalate (DCHP)	84-61-7	0.1	%(w/w)	0.005	ND
Di(2-ethylhexyl)phthalate(DEHP)	117-81-7	0.1	%(w/w)	0.005	ND
Dihexyl Phthalates (DHEXP/ DnHP)	84-75-3	0.1	%(w/w)	0.005	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%(w/w)	0.005	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	0.1	%(w/w)	0.005	ND
Dipentyl Phthalates (DPENP/DnPP)	131-18-0	0.1	%(w/w)	0.005	ND

Test Item(s)	CAS NO.	Limit	Unit	MDL	016
Benzylbutyl Phthalate (BBP)	85-68-7	0.1	%(w/w)	0.005	ND
Dibutyl Phthalate (DBP)	84-74-2	0.1	%(w/w)	0.005	ND
Dicyclohexyl Phthalate (DCHP)	84-61-7	0.1	%(w/w)	0.005	ND
Di(2-ethylhexyl)phthalate(DEHP)	117-81-7	0.1	%(w/w)	0.005	ND
Dihexyl Phthalates (DHEXP/ DnHP)	84-75-3	0.1	%(w/w)	0.005	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%(w/w)	0.005	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	0.1	%(w/w)	0.005	ND
Dipentyl Phthalates (DPENP/DnPP)	131-18-0	0.1	%(w/w)	0.005	ND

Test Item(s)	CAS NO.	Limit	Unit	MDL	019
Benzylbutyl Phthalate (BBP)	85-68-7	0.1	%(w/w)	0.005	ND
Dibutyl Phthalate (DBP)	84-74-2	0.1	%(w/w)	0.005	ND
Dicyclohexyl Phthalate (DCHP)	84-61-7	0.1	%(w/w)	0.005	ND
Di(2-ethylhexyl)phthalate(DEHP)	117-81-7	0.1	%(w/w)	0.005	ND
Dihexyl Phthalates (DHEXP/ DnHP)	84-75-3	0.1	%(w/w)	0.005	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%(w/w)	0.005	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	0.1	%(w/w)	0.005	ND
Dipentyl Phthalates (DPENP/DnPP)	131-18-0	0.1	%(w/w)	0.005	ND



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Test Item(s)	CAS NO.	Limit	Unit	MDL	021
Benzylbutyl Phthalate (BBP)	85-68-7	0.1	%(w/w)	0.005	ND
Dibutyl Phthalate (DBP)	84-74-2	0.1	%(w/w)	0.005	ND
Dicyclohexyl Phthalate (DCHP)	84-61-7	0.1	%(w/w)	0.005	ND
Di(2-ethylhexyl)phthalate(DEHP)	117-81-7	0.1	%(w/w)	0.005	ND
Dihexyl Phthalates (DHEXP/ DnHP)	84-75-3	0.1	%(w/w)	0.005	ND
Diisobutyl Phthalate (DIBP)	84-69-5	0.1	%(w/w)	0.005	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	0.1	%(w/w)	0.005	ND
Dipentyl Phthalates (DPENP/DnPP)	131-18-0	0.1	%(w/w)	0.005	ND

Sample photo:



Product Photo



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Product Photo

Part 4 SGS Ref. No.: CANHG1900153902

Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN19-001539.001	Translucent silicone rubber straw	Silicone rubber
SN2	CAN19-001539.002	Grey soft part	TPE
SN3	CAN19-001539.003	Green soft part	TPE
SN4	CAN19-001539.004	Yellow soft part	TPE
SN5	CAN19-001539.005	Orange soft part	TPE
SN6	CAN19-001539.006	Yellow plastic bowl	PP
SN7	CAN19-001539.007	Blue plastic bowl	PP
SN8	CAN19-001539.008	Dk-purple plastic bowl	PP
SN9	CAN19-001539.009	Dk-pink plastic bowl	PP
SN10	CAN19-001539.010	Grey transparent plastic lid	PP
SN11	CAN19-001539.011	Green transparent plastic lid	PP
SN12	CAN19-001539.012	Yellow transparent plastic lid	PP
SN13	CAN19-001539.013	Orange transparent plastic lid	PP
SN14	CAN19-001539.014	White plastic ring	PP



FDA 21 CFR 177.2600–Total extractive residues

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

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 001</u>	<u>Comment</u>
Distilled Water	7.0hr(s)	Reflux temperature	20mg/sq. in	<0.5mg/sq. in	PASS
Succeeding Extraction	2.0hr(s)	Reflux temperature	1mg/sq. in	<0.5mg/sq. in	PASS

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 002</u>	<u>Comment</u>
Distilled Water	7.0hr(s)	Reflux Temperature	20mg/sq. in	<0.5mg/sq. in	PASS
Succeeding Extraction	2.0hr(s)	Reflux temperature	1mg/sq. in	<0.5mg/sq. in	PASS

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 003</u>	<u>Comment</u>
Distilled Water	7.0hr(s)	Reflux temperature	20mg/sq. in	<0.5mg/sq. in	PASS
Succeeding Extraction	2.0hr(s)	Reflux temperature	1mg/sq. in	<0.5mg/sq. in	PASS

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 004</u>	<u>Comment</u>
Distilled Water	7.0hr(s)	Reflux temperature	20mg/sq. in	<0.5mg/sq. in	PASS
Succeeding Extraction	2.0hr(s)	Reflux temperature	1mg/sq. in	<0.5mg/sq. in	PASS

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 005</u>	<u>Comment</u>
Distilled Water	7.0hr(s)	Reflux temperature	20mg/sq. in	<0.5mg/sq. in	PASS
Succeeding Extraction	2.0hr(s)	Reflux temperature	1mg/sq. in	<0.5mg/sq. in	PASS



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Notes :

mg/inch²= milligram per square inch

FDA 21 CFR 177.1520–Maximum extractable fraction in n-Hexane

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

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 006</u>	<u>Comment</u>
n-Hexane	2hr(s)	50°C	5.5%(w/w)	<0.5%(w/w)	PASS
<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 007</u>	<u>Comment</u>
n-Hexane	2hr(s)	50°C	5.5%(w/w)	<0.5%(w/w)	PASS
<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 008</u>	<u>Comment</u>
n-Hexane	2hr(s)	50°C	5.5%(w/w)	<0.5%(w/w)	PASS
<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 009</u>	<u>Comment</u>
n-Hexane	2hr(s)	50°C	5.5%(w/w)	<0.5%(w/w)	PASS
<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 010</u>	<u>Comment</u>
n-Hexane	2hr(s)	50°C	5.5%(w/w)	0.9%(w/w)	PASS
<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 011</u>	<u>Comment</u>
n-Hexane	2hr(s)	50°C	5.5%(w/w)	0.6%(w/w)	PASS
<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 012</u>	<u>Comment</u>
n-Hexane	2hr(s)	50°C	5.5%(w/w)	0.8%(w/w)	PASS
<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 013</u>	<u>Comment</u>
n-Hexane	2hr(s)	50°C	5.5%(w/w)	0.7%(w/w)	PASS



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<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 014</u>	<u>Comment</u>
n-Hexane	2hr(s)	50°C	5.5%(w/w)	<0.5%(w/w)	PASS

Notes :

%w/w = percentage of weight by weight

FDA 21 CFR 177.1520—Maximum soluble fraction in xylene

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

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>006</u>	<u>007</u>	<u>008</u>
Soluble fraction in Xylene	30	%(w/w)	0.5	6.3	6.1	6.5
Comment				PASS	PASS	PASS

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>009</u>	<u>010</u>	<u>011</u>
Soluble fraction in Xylene	30	%(w/w)	0.5	6.3	6.0	5.0
Comment				PASS	PASS	PASS

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>012</u>	<u>013</u>	<u>014</u>
Soluble fraction in Xylene	30	%(w/w)	0.5	5.4	5.8	2.8
Comment				PASS	PASS	PASS

Notes :

%w/w = percentage of weight by weight



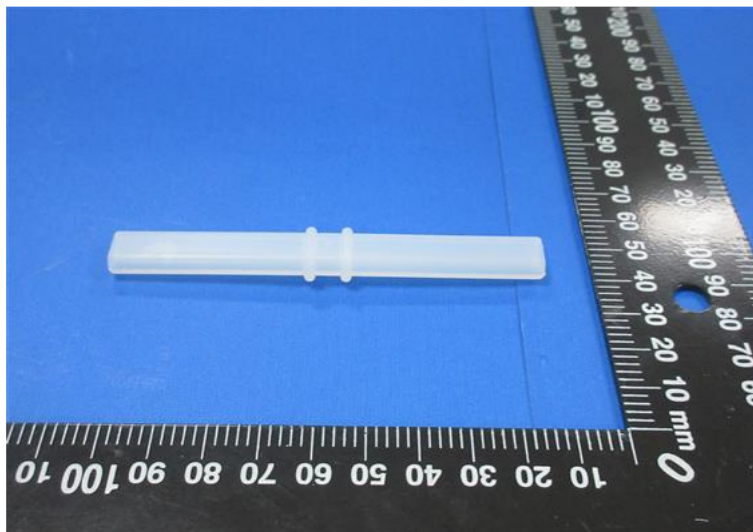
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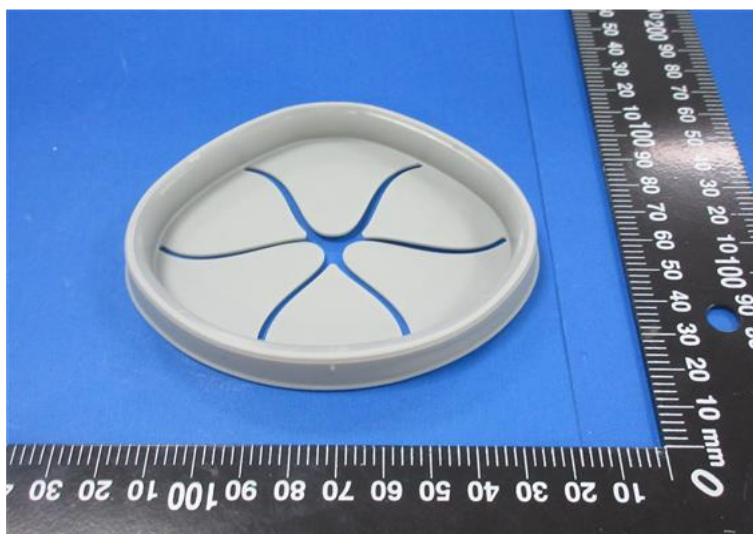
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Sample photo:



CAN19-001539.001



CAN19-001539.002

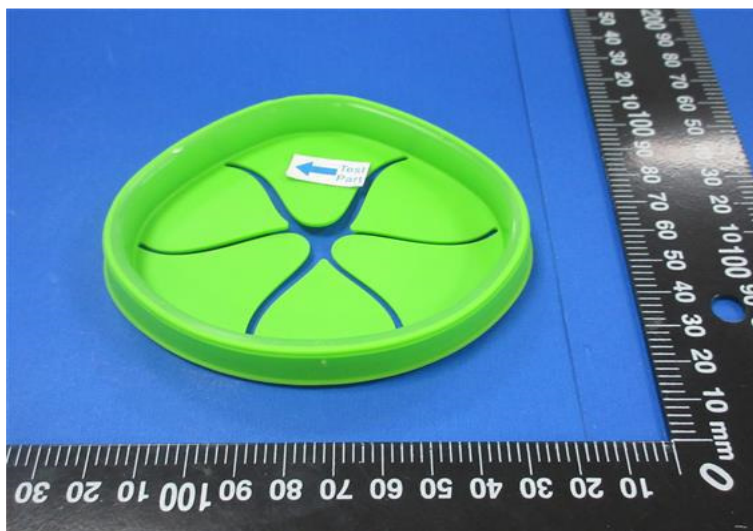


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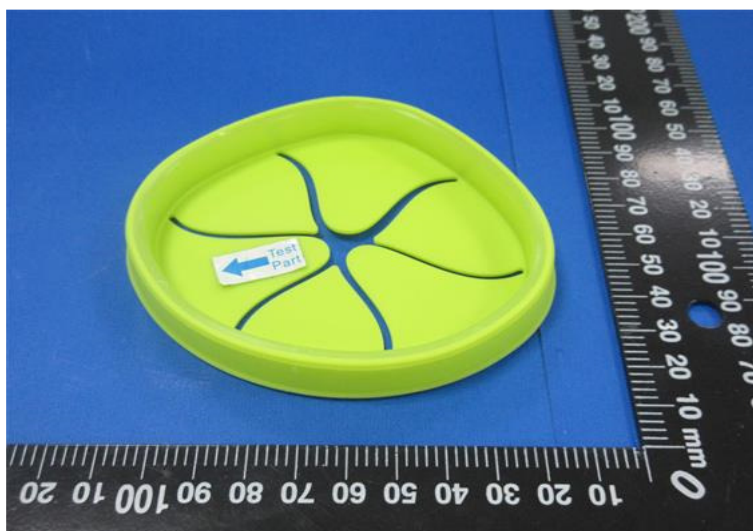
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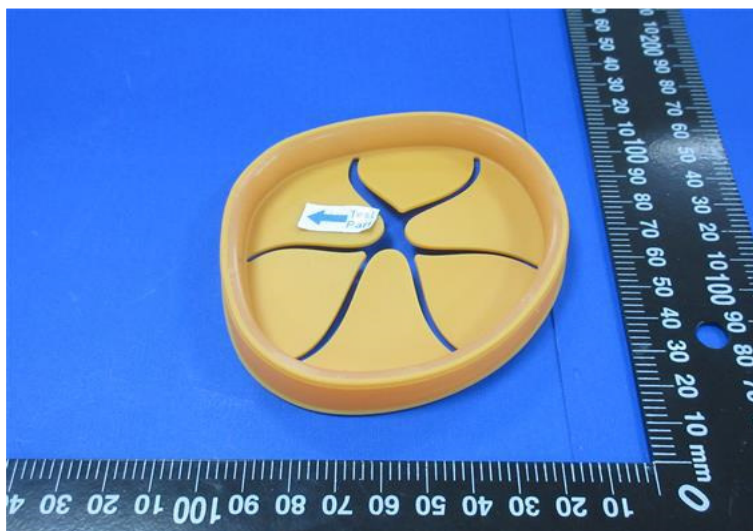


CAN19-001539.003



CAN19-001539.004





CAN19-001539.005



CAN19-001539.006





CAN19-001539.007



CAN19-001539.008



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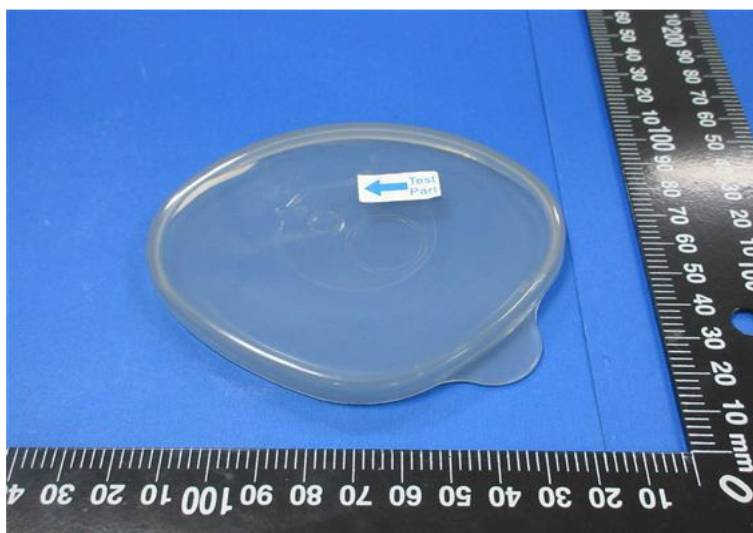
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CAN19-001539.009



CAN19-001539.010

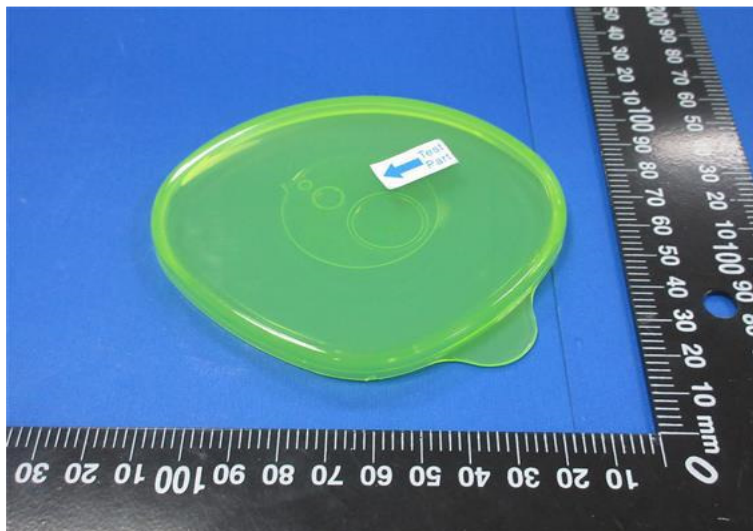


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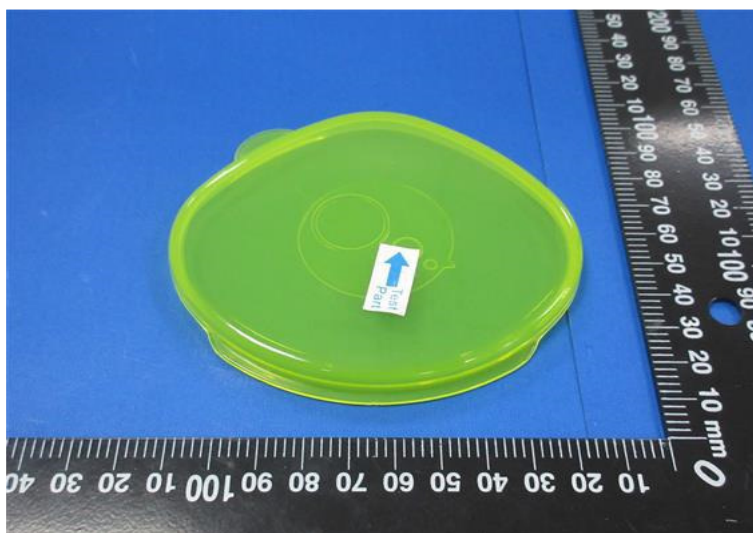
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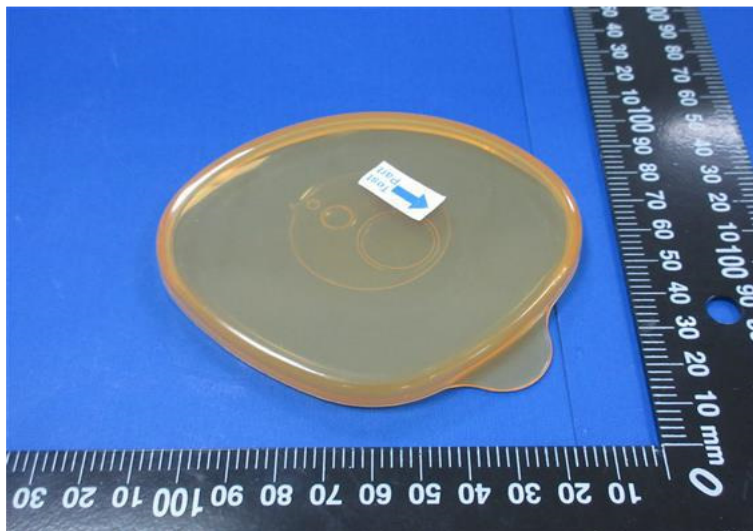


CAN19-001539.011

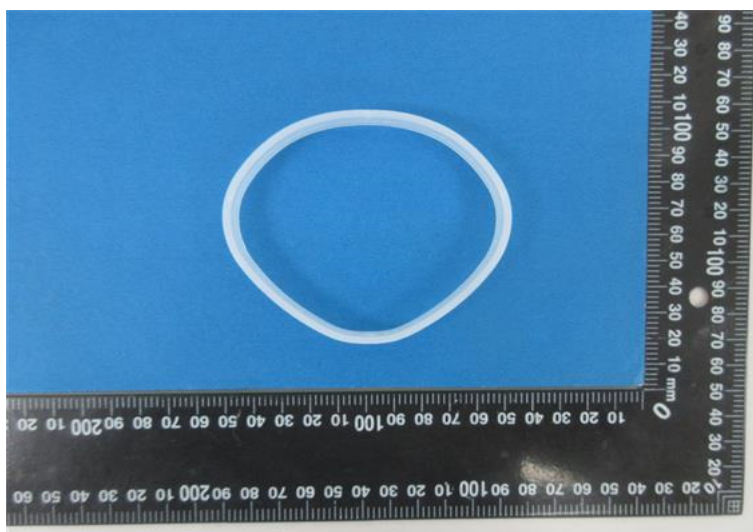


CAN19-001539.012





CAN19-001539.013



CAN19-001539.014



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Part 5 SGS Ref. No.: CANHG1900153903

Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN19-001539.001	Translucent silicone rubber straw	Silicone rubber
SN2	CAN19-001539.002	Grey soft part	TPE
SN3	CAN19-001539.003	Green soft part	TPE
SN4	CAN19-001539.004	Yellow soft part	TPE
SN5	CAN19-001539.005	Orange soft part	TPE
SN6	CAN19-001539.006	Yellow plastic bowl	PP
SN7	CAN19-001539.007	Blue plastic bowl	PP
SN8	CAN19-001539.008	Dk-purple plastic bowl	PP
SN9	CAN19-001539.009	Dk-pink plastic bowl	PP
SN10	CAN19-001539.010	Grey transparent plastic lid	PP
SN11	CAN19-001539.011	Green transparent plastic lid	PP
SN12	CAN19-001539.012	Yellow transparent plastic lid	PP
SN13	CAN19-001539.013	Orange transparent plastic lid	PP
SN14	CAN19-001539.014	White plastic ring	PP

EN 14372: 2004– Migration of certain elements

Test Method : With reference to EN 14372:2004, Clause 6.3.1, analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit	MDL	001	002	003
Soluble Lead (Pb)	25	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	15	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	10	mg/kg	5	ND	ND	ND
Soluble Barium (Ba)	100	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	20	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	10	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	10	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	100	mg/kg	10	ND	ND	ND
Comment				PASS	PASS	PASS



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Test Item(s)	Limit	Unit	MDL	004	005	006
Soluble Lead (Pb)	25	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	15	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	10	mg/kg	5	ND	ND	ND
Soluble Barium (Ba)	100	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	20	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	10	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	10	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	100	mg/kg	10	ND	ND	ND
Comment				PASS	PASS	PASS

Test Item(s)	Limit	Unit	MDL	007	008	009
Soluble Lead (Pb)	25	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	15	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	10	mg/kg	5	ND	ND	ND
Soluble Barium (Ba)	100	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	20	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	10	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	10	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	100	mg/kg	10	ND	ND	ND
Comment				PASS	PASS	PASS

Test Item(s)	Limit	Unit	MDL	010	011	012
Soluble Lead (Pb)	25	mg/kg	5	ND	ND	ND
Soluble Antimony (Sb)	15	mg/kg	5	ND	ND	ND
Soluble Arsenic (As)	10	mg/kg	5	ND	ND	ND
Soluble Barium (Ba)	100	mg/kg	10	ND	ND	ND
Soluble Cadmium (Cd)	20	mg/kg	5	ND	ND	ND
Soluble Chromium (Cr)	10	mg/kg	5	ND	ND	ND
Soluble Mercury (Hg)	10	mg/kg	5	ND	ND	ND
Soluble Selenium (Se)	100	mg/kg	10	ND	ND	ND
Comment				PASS	PASS	PASS



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Test Item(s)	Limit	Unit	MDL	013	014
Soluble Lead (Pb)	25	mg/kg	5	ND	ND
Soluble Antimony (Sb)	15	mg/kg	5	ND	ND
Soluble Arsenic (As)	10	mg/kg	5	ND	ND
Soluble Barium (Ba)	100	mg/kg	10	ND	ND
Soluble Cadmium (Cd)	20	mg/kg	5	ND	ND
Soluble Chromium (Cr)	10	mg/kg	5	ND	ND
Soluble Mercury (Hg)	10	mg/kg	5	ND	ND
Soluble Selenium (Se)	100	mg/kg	10	ND	ND
Comment				PASS	PASS

Notes :

- 1.mg/kg=ppm
- 2.ND = Not detected
- 3.MDL = Method Detection Limit
4. Results of soluble elements shown are of the adjusted analytical results

EN 14372: 2004 – Phthalate content

Test Method : With reference to EN14372: 2004 Clause6.3.2,analysis was performed by GC-MS.

Test Item(s)	CAS NO.	Limit	Unit	MDL	006
Dibutyl Phthalate (DBP)	84-74-2	-	%(w/w)	0.003	ND
Benzylbutyl Phthalate (BBP)	85-68-7	-	%(w/w)	0.003	ND
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	-	%(w/w)	0.003	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	-	%(w/w)	0.010	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	-	%(w/w)	0.003	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 / 68515-49-1	-	%(w/w)	0.010	ND
Total (DBP+BBP+DEHP+DINP+DNOP+DIDP)		0.1	%(w/w)	-	ND
Comment					PASS



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Test Item(s)	CAS NO.	Limit	Unit	MDL	007
Dibutyl Phthalate (DBP)	84-74-2	-	%(w/w)	0.003	ND
Benzylbutyl Phthalate (BBP)	85-68-7	-	%(w/w)	0.003	ND
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	-	%(w/w)	0.003	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	-	%(w/w)	0.010	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	-	%(w/w)	0.003	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 / 68515-49-1	-	%(w/w)	0.010	ND
Total (DBP+BBP+DEHP+DINP+DNOP+DIDP)		0.1	%(w/w)	-	ND

Comment

PASS

Test Item(s)	CAS NO.	Limit	Unit	MDL	008
Dibutyl Phthalate (DBP)	84-74-2	-	%(w/w)	0.003	ND
Benzylbutyl Phthalate (BBP)	85-68-7	-	%(w/w)	0.003	ND
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	-	%(w/w)	0.003	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	-	%(w/w)	0.010	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	-	%(w/w)	0.003	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 / 68515-49-1	-	%(w/w)	0.010	ND
Total (DBP+BBP+DEHP+DINP+DNOP+DIDP)		0.1	%(w/w)	-	ND

Comment

PASS

Test Item(s)	CAS NO.	Limit	Unit	MDL	009
Dibutyl Phthalate (DBP)	84-74-2	-	%(w/w)	0.003	ND
Benzylbutyl Phthalate (BBP)	85-68-7	-	%(w/w)	0.003	ND
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	-	%(w/w)	0.003	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	-	%(w/w)	0.010	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	-	%(w/w)	0.003	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 / 68515-49-1	-	%(w/w)	0.010	ND
Total (DBP+BBP+DEHP+DINP+DNOP+DIDP)		0.1	%(w/w)	-	ND

Comment

PASS



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Test Item(s)	CAS NO.	Limit	Unit	MDL	010
Dibutyl Phthalate (DBP)	84-74-2	-	%(w/w)	0.003	ND
Benzylbutyl Phthalate (BBP)	85-68-7	-	%(w/w)	0.003	ND
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	-	%(w/w)	0.003	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	-	%(w/w)	0.010	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	-	%(w/w)	0.003	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 / 68515-49-1	-	%(w/w)	0.010	ND
Total (DBP+BBP+DEHP+DINP+DNOP+DIDP)		0.1	%(w/w)	-	ND

Comment

PASS

Test Item(s)	CAS NO.	Limit	Unit	MDL	011
Dibutyl Phthalate (DBP)	84-74-2	-	%(w/w)	0.003	ND
Benzylbutyl Phthalate (BBP)	85-68-7	-	%(w/w)	0.003	ND
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	-	%(w/w)	0.003	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	-	%(w/w)	0.010	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	-	%(w/w)	0.003	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 / 68515-49-1	-	%(w/w)	0.010	ND
Total (DBP+BBP+DEHP+DINP+DNOP+DIDP)		0.1	%(w/w)	-	ND

Comment

PASS

Test Item(s)	CAS NO.	Limit	Unit	MDL	012
Dibutyl Phthalate (DBP)	84-74-2	-	%(w/w)	0.003	ND
Benzylbutyl Phthalate (BBP)	85-68-7	-	%(w/w)	0.003	ND
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	-	%(w/w)	0.003	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	-	%(w/w)	0.010	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	-	%(w/w)	0.003	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 / 68515-49-1	-	%(w/w)	0.010	ND
Total (DBP+BBP+DEHP+DINP+DNOP+DIDP)		0.1	%(w/w)	-	ND

Comment

PASS



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Test Report

No.: GZHL1901003856CW

Date: Mar 13, 2019

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Test Item(s)	CAS NO.	Limit	Unit	MDL	013
Dibutyl Phthalate (DBP)	84-74-2	-	%(w/w)	0.003	ND
Benzylbutyl Phthalate (BBP)	85-68-7	-	%(w/w)	0.003	ND
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	-	%(w/w)	0.003	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	-	%(w/w)	0.010	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	-	%(w/w)	0.003	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 / 68515-49-1	-	%(w/w)	0.010	ND
Total (DBP+BBP+DEHP+DINP+DNOP+DIDP)		0.1	%(w/w)	-	ND

Comment

PASS

Test Item(s)	CAS NO.	Limit	Unit	MDL	014
Dibutyl Phthalate (DBP)	84-74-2	-	%(w/w)	0.003	ND
Benzylbutyl Phthalate (BBP)	85-68-7	-	%(w/w)	0.003	ND
Bis(2-ethylhexyl) Phthalate (DEHP)	117-81-7	-	%(w/w)	0.003	ND
Diisononyl Phthalate (DINP)	28553-12-0 / 68515-48-0	-	%(w/w)	0.010	ND
Di-n-octyl Phthalate (DNOP)	117-84-0	-	%(w/w)	0.003	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 / 68515-49-1	-	%(w/w)	0.010	ND
Total (DBP+BBP+DEHP+DINP+DNOP+DIDP)		0.1	%(w/w)	-	ND

Comment

PASS

Notes :

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



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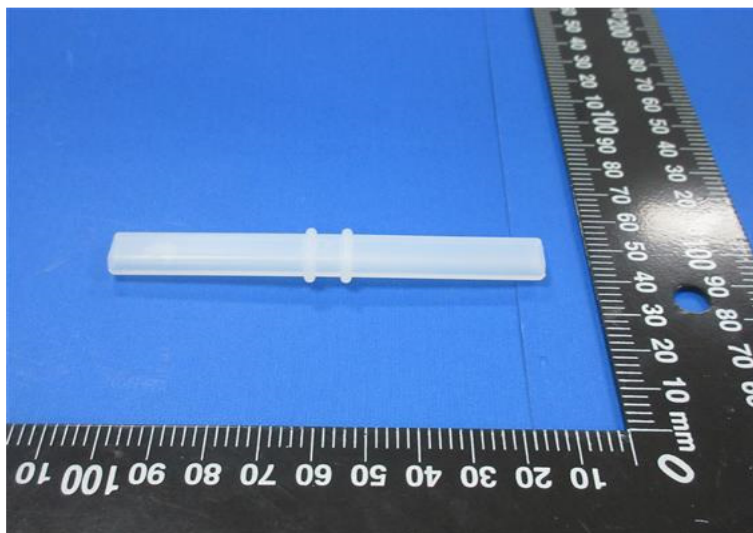
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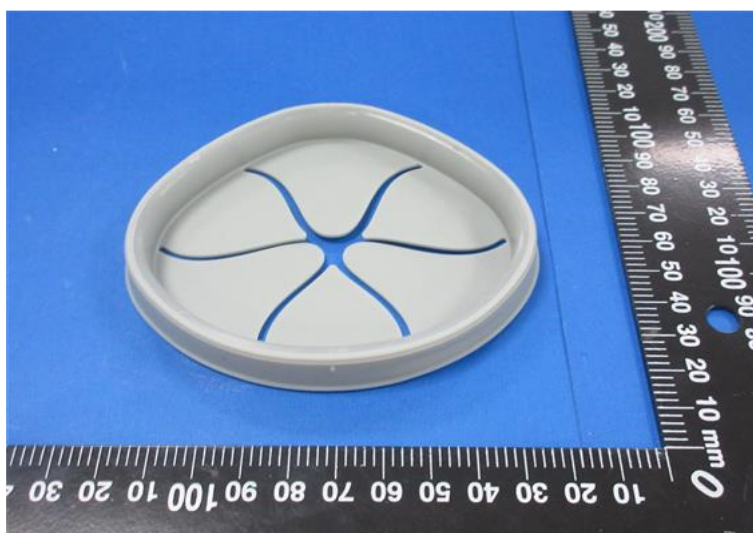
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Sample photo:



CAN19-001539.001



CAN19-001539.002

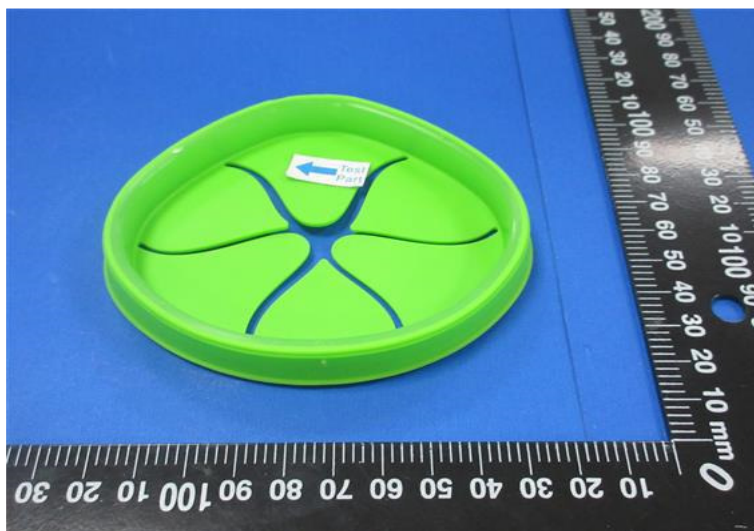


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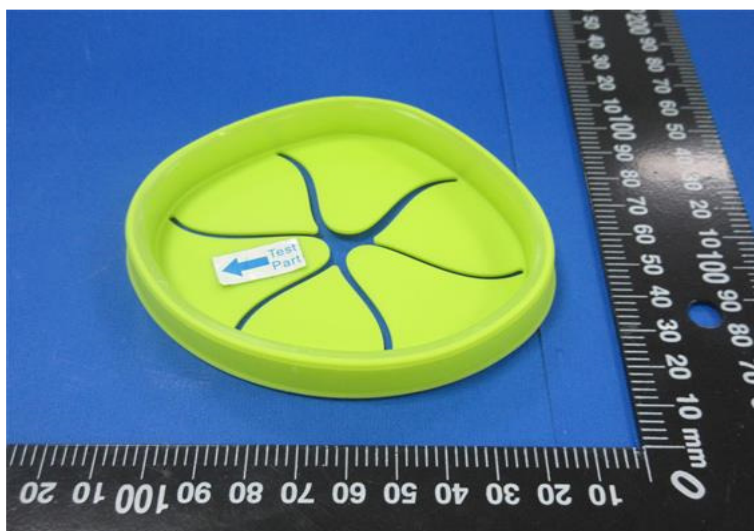
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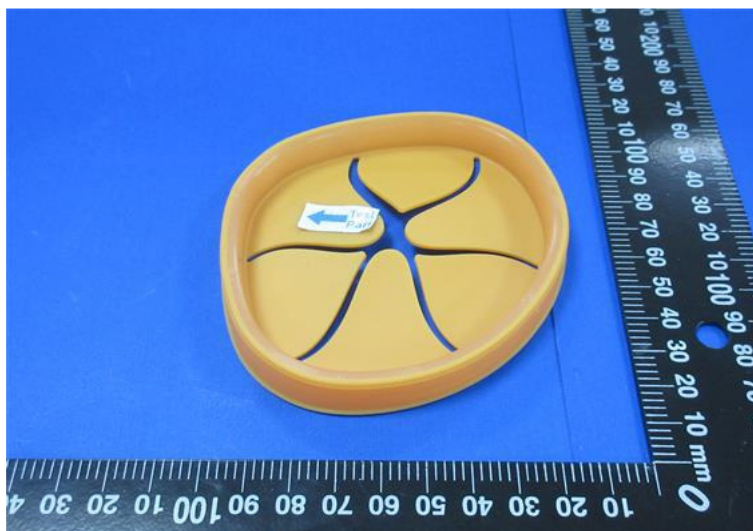


CAN19-001539.003



CAN19-001539.004





CAN19-001539.005



CAN19-001539.006





CAN19-001539.007



CAN19-001539.008



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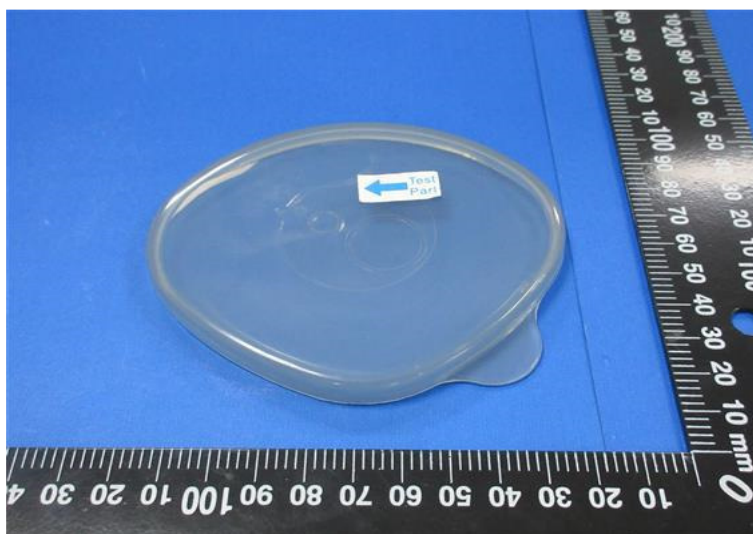
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CAN19-001539.009



CAN19-001539.010

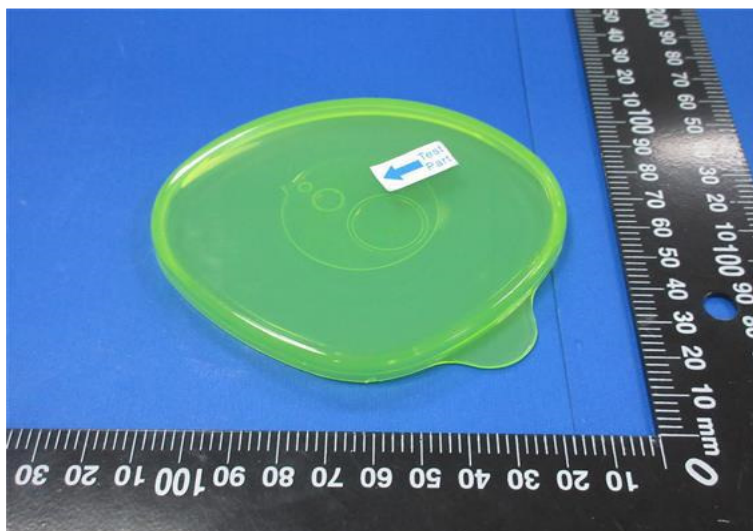


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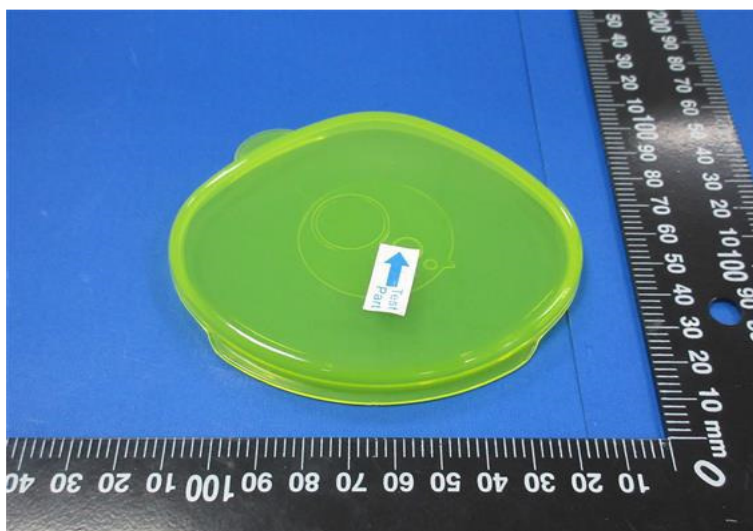
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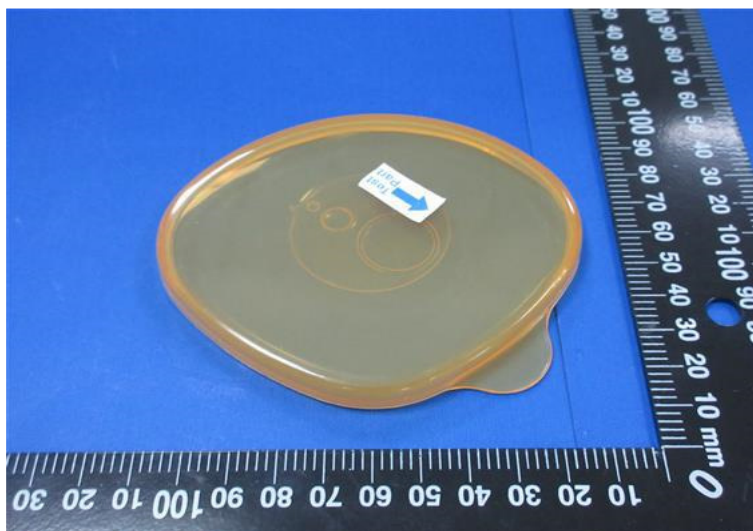


CAN19-001539.011

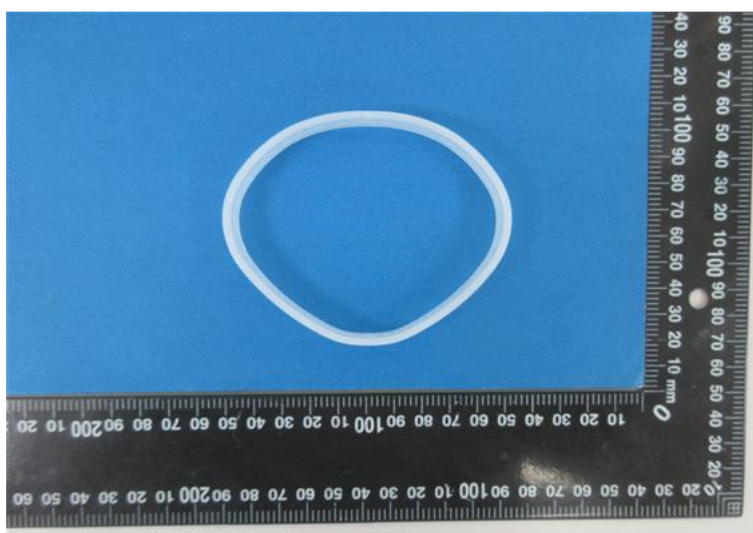


CAN19-001539.012





CAN19-001539.013



CAN19-001539.014



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Part 6 SGS Ref. No.: CANHG1900153904

Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN19-001539.001	Translucent silicone rubber straw	Silicone rubber
SN2	CAN19-001539.002	Grey soft part	TPE
SN3	CAN19-001539.003	Green soft part	TPE
SN4	CAN19-001539.004	Yellow soft part	TPE
SN5	CAN19-001539.005	Orange soft part	TPE
SN6	CAN19-001539.006	Yellow plastic bowl	PP
SN7	CAN19-001539.007	Blue plastic bowl	PP
SN8	CAN19-001539.008	Dk-pruple plastic bowl	PP
SN9	CAN19-001539.009	Dk-pink plastic bowl	PP
SN10	CAN19-001539.010	Grey transparent plastic lid	PP
SN11	CAN19-001539.011	Green transparent plastic lid	PP
SN12	CAN19-001539.012	Yellow transparent plastic lid	PP
SN13	CAN19-001539.013	Orange transparent plastic lid	PP
SN14	CAN19-001539.014	White plastic ring	PP

Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments– Overall migration

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

Simulant Used	Time	Temperature	Max. Permissible Limit	Result of 006 Overall Migration	Comment
3% Acetic Acid (W/V) Aqueous Solution	2.0hr(s)	70℃	60mg/kg	<20mg/kg	PASS
10% Ethanol (V/V) Aqueous Solution	2.0hr(s)	70℃	60mg/kg	<20mg/kg	PASS



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<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 007</u> <u>Overall Migration</u>	<u>Comment</u>
3% Acetic Acid (W/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS
10% Ethanol (V/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 008</u> <u>Overall Migration</u>	<u>Comment</u>
3% Acetic Acid (W/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS
10% Ethanol (V/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 009</u> <u>Overall Migration</u>	<u>Comment</u>
3% Acetic Acid (W/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS
10% Ethanol (V/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 010</u> <u>Overall Migration</u>	<u>Comment</u>
3% Acetic Acid (W/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS
10% Ethanol (V/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 011</u> <u>Overall Migration</u>	<u>Comment</u>
3% Acetic Acid (W/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS
10% Ethanol (V/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS



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<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 012</u> <u>Overall Migration</u>	<u>Comment</u>
3% Acetic Acid (W/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS
10% Ethanol (V/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 013</u> <u>Overall Migration</u>	<u>Comment</u>
3% Acetic Acid (W/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS
10% Ethanol (V/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 014</u> <u>Overall Migration</u>	<u>Comment</u>
3% Acetic Acid (W/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS
10% Ethanol (V/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS

Notes :

1. mg/dm² = milligram per square decimetre
mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. Analytical tolerance of aqueous simulants is 2mg/dm² or 12mg/kg
4. Analytical tolerance of fatty food simulants is 3mg/dm² or 20mg/kg
5. The test data is obtained by considering the articles intended for repeated use as per described in Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex V. Report the 3rd extractive result.
6. Test sample 011-013 was applied to container with capacity of 0.30 L.



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Council of Europe Resolution AP (2004) 5 – Overall migration

Test Method : With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1:2002 for selection of test methods;
or EN 1186-3:2002 aqueous food simulants by total immersion method;
or EN1186-2:2002 olive oil by total immersion method;

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 001</u> <u>Overall Migration</u>	<u>Comment</u>
3% Acetic Acid (W/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS
10% Ethanol (V/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS

Notes :

1. mg/dm² = milligram per square decimeter
mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. Analytical tolerance of aqueous simulants is 2mg/dm² or 12mg/kg
4. Analytical tolerance of fatty food simulants is 3mg/dm² or 20mg/kg
5. The test data is obtained by considering the articles intended for repeated use as per described in Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex V. Report the 3rd extractive result.

Council of Europe Resolution AP (2004) 4 – Overall migration

Test Method : With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1:2002 for selection of test methods;
or EN 1186-3:2002 aqueous food simulants by total immersion method;
or EN1186-2:2002 olive oil by total immersion method;

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 002</u> <u>Overall Migration</u>	<u>Comment</u>
3% Acetic Acid (W/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS
10% Ethanol (V/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS



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<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 003</u> <u>Overall Migration</u>	<u>Comment</u>
3% Acetic Acid (W/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS
10% Ethanol (V/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 004</u> <u>Overall Migration</u>	<u>Comment</u>
3% Acetic Acid (W/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS
10% Ethanol (V/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Result of 005</u> <u>Overall Migration</u>	<u>Comment</u>
3% Acetic Acid (W/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS
10% Ethanol (V/V) Aqueous Solution	2.0hr(s)	70°C	60mg/kg	<20mg/kg	PASS

Notes :

1. mg/dm² = milligram per square decimeter
mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. Analytical tolerance of aqueous simulants is 2mg/dm² or 12mg/kg
4. Analytical tolerance of fatty food simulants is 3mg/dm² or 20mg/kg
5. The test data is obtained by considering the articles intended for repeated use as per described in Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex V. Report the 3rd extractive result.



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Council of Europe Resolution AP (2004) 4 – Specific Migration of Primary Aromatic Amine

Test Method : With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 13130-1:2004 for selection of test method and BfR Recommendation XXI. Analysis was performed by UV-Vis.

Sample 002

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution
Test Condition : 70°C 2.0hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	1st
Area/Volume	-	dm ² /kg	-	6.0
Specific migration of primary aromatic amine	0.010	mg/kg	0.010	ND
Comment				PASS

Sample 003

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution
Test Condition : 70°C 2.0hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	1st
Area/Volume	-	dm ² /kg	-	6.0
Specific migration of primary aromatic amine	0.010	mg/kg	0.010	ND
Comment				PASS

Sample 004

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution
Test Condition : 70°C 2.0hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	1st
Area/Volume	-	dm ² /kg	-	6.0
Specific migration of primary aromatic amine	0.010	mg/kg	0.010	ND
Comment				PASS



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Sample 005

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution

Test Condition : 70°C 2.0hr(s)

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Migration times	-	-	-	1st
Area/Volume	-	dm ² /kg	-	6.0
Specific migration of primary aromatic amine	0.010	mg/kg	0.010	ND
Comment				PASS

Notes :

1. mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. MDL=Method Detection Limit
4. ND = Not Detected(less than MDL)

Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments—Specific Migration of Heavy Metal

Test Method : With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN13130-1:2004 for selection of test method, analysis was performed by ICP-OES.

Sample 006

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution

Test Condition : 70°C 2.0hr(s)

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Migration times	-	-	-	3rd
Area/Volume	-	dm ² /kg	-	5.0
Barium	1	mg/kg	0.25	ND
Cobalt	0.05	mg/kg	0.01	ND
Copper	5	mg/kg	0.25	ND
Iron	48	mg/kg	0.25	ND
Lithium	0.6	mg/kg	0.5	ND



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Manganese	0.6	mg/kg	0.25	ND
Zinc	5	mg/kg	0.5	ND
Aluminum	1	mg/kg	0.1	ND
Nickel	0.02	mg/kg	0.01	ND
Comment	PASS			

Sample 007

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution

Test Condition : 70°C 2.0hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	3rd
Area/Volume	-	dm ² /kg	-	5.0
Barium	1	mg/kg	0.25	ND
Cobalt	0.05	mg/kg	0.01	ND
Copper	5	mg/kg	0.25	ND
Iron	48	mg/kg	0.25	ND
Lithium	0.6	mg/kg	0.5	ND
Manganese	0.6	mg/kg	0.25	ND
Zinc	5	mg/kg	0.5	ND
Aluminum	1	mg/kg	0.1	ND
Nickel	0.02	mg/kg	0.01	ND
Comment	PASS			

Sample 008

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution

Test Condition : 70°C 2.0hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	3rd
Area/Volume	-	dm ² /kg	-	5.0
Barium	1	mg/kg	0.25	ND
Cobalt	0.05	mg/kg	0.01	ND
Copper	5	mg/kg	0.25	ND



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Iron	48	mg/kg	0.25	ND
Lithium	0.6	mg/kg	0.5	ND
Manganese	0.6	mg/kg	0.25	ND
Zinc	5	mg/kg	0.5	ND
Aluminum	1	mg/kg	0.1	ND
Nickel	0.02	mg/kg	0.01	ND
Comment				PASS

Sample 009

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution

Test Condition : 70°C 2.0hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	3rd
Area/Volume	-	dm ² /kg	-	5.0
Barium	1	mg/kg	0.25	ND
Cobalt	0.05	mg/kg	0.01	ND
Copper	5	mg/kg	0.25	ND
Iron	48	mg/kg	0.25	ND
Lithium	0.6	mg/kg	0.5	ND
Manganese	0.6	mg/kg	0.25	ND
Zinc	5	mg/kg	0.5	ND
Aluminum	1	mg/kg	0.1	ND
Nickel	0.02	mg/kg	0.01	ND
Comment				PASS

Sample 010

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution

Test Condition : 70°C 2.0hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	3rd
Area/Volume	-	dm ² /kg	-	7.4
Barium	1	mg/kg	0.25	ND
Cobalt	0.05	mg/kg	0.01	ND



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Copper	5	mg/kg	0.25	ND
Iron	48	mg/kg	0.25	ND
Lithium	0.6	mg/kg	0.5	ND
Manganese	0.6	mg/kg	0.25	ND
Zinc	5	mg/kg	0.5	ND
Aluminum	1	mg/kg	0.1	ND
Nickel	0.02	mg/kg	0.01	ND
Comment				PASS

Sample 011

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution

Test Condition : 70°C 2.0hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	3rd
Area/Volume	-	dm ² /kg	-	7.4
Barium	1	mg/kg	0.25	ND
Cobalt	0.05	mg/kg	0.01	ND
Copper	5	mg/kg	0.25	ND
Iron	48	mg/kg	0.25	ND
Lithium	0.6	mg/kg	0.5	ND
Manganese	0.6	mg/kg	0.25	ND
Zinc	5	mg/kg	0.5	ND
Aluminum	1	mg/kg	0.1	ND
Nickel	0.02	mg/kg	0.01	ND
Comment				PASS

Sample 012

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution

Test Condition : 70°C 2.0hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible</u> <u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	3rd
Area/Volume	-	dm ² /kg	-	7.4
Barium	1	mg/kg	0.25	ND



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Cobalt	0.05	mg/kg	0.01	ND
Copper	5	mg/kg	0.25	ND
Iron	48	mg/kg	0.25	ND
Lithium	0.6	mg/kg	0.5	ND
Manganese	0.6	mg/kg	0.25	ND
Zinc	5	mg/kg	0.5	ND
Aluminum	1	mg/kg	0.1	ND
Nickel	0.02	mg/kg	0.01	ND
Comment				PASS

Sample 013

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution

Test Condition : 70°C 2.0hr(s)

<u>Test Item(s)</u>	<u>Max. Permissible Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>Test result</u>
Migration times	-	-	-	3rd
Area/Volume	-	dm ² /kg	-	7.4
Barium	1	mg/kg	0.25	ND
Cobalt	0.05	mg/kg	0.01	ND
Copper	5	mg/kg	0.25	ND
Iron	48	mg/kg	0.25	ND
Lithium	0.6	mg/kg	0.5	ND
Manganese	0.6	mg/kg	0.25	ND
Zinc	5	mg/kg	0.5	ND
Aluminum	1	mg/kg	0.1	ND
Nickel	0.02	mg/kg	0.01	ND
Comment				PASS



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Sample 014

Simulant Used : 3% Acetic Acid (W/V) Aqueous Solution

Test Condition : 70°C 2.0hr(s)

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Migration times	-	-	-	3rd
Area/Volume	-	dm ² /kg	-	6.0
Barium	1	mg/kg	0.25	ND
Cobalt	0.05	mg/kg	0.01	ND
Copper	5	mg/kg	0.25	ND
Iron	48	mg/kg	0.25	ND
Lithium	0.6	mg/kg	0.5	ND
Manganese	0.6	mg/kg	0.25	ND
Zinc	5	mg/kg	0.5	ND
Aluminum	1	mg/kg	0.1	ND
Nickel	0.02	mg/kg	0.01	ND

Comment

PASS

Notes :

1. mg/kg = milligram per kilogram of foodstuff in contact with
2. °C = degree Celsius
3. MDL=Method Detection Limit
4. ND = Not Detected(less than MDL)
5. The limits of nickel according to Commission Regulation (EU) 2017/752 shall be applied from 19 May 2019.

Council of Europe Resolution AP (2004) 4 – Specific Migration of N-Nitrosamines and N-Nitrosatable substances

Test Method : With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN13130-1:2004 for selection of test methods; analysis was performed by LC-MS-MS.

Sample 002

Simulant Used : 3% Acetic acid (W/V) aqueous solution

Test Condition : 70°C 2.0hr(s)



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Test Report

No.: GZHL1901003856CW

Date: Mar 13, 2019

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Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Migration times	-	-	-	1st
Area/Volume	-	dm ² /kg	-	6.0
Specific migration of N-Nitrosamines	0.01	mg/kg	0.010	ND
Specific migration of N-Nitrosatable substances	0.1	mg/kg	0.10	ND
Comment				PASS

Sample 003

Simulant Used : 3% Acetic acid (W/V) aqueous solution

Test Condition : 70°C 2.0hr(s)

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Migration times	-	-	-	1st
Area/Volume	-	dm ² /kg	-	6.0
Specific migration of N-Nitrosamines	0.01	mg/kg	0.010	ND
Specific migration of N-Nitrosatable substances	0.1	mg/kg	0.10	ND
Comment				PASS

Sample 004

Simulant Used : 3% Acetic acid (W/V) aqueous solution

Test Condition : 70°C 2.0hr(s)

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Migration times	-	-	-	1st
Area/Volume	-	dm ² /kg	-	6.0
Specific migration of N-Nitrosamines	0.01	mg/kg	0.010	ND
Specific migration of N-Nitrosatable substances	0.1	mg/kg	0.10	ND
Comment				PASS



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Sample 005

Simulant Used : 3% Acetic acid (W/V) aqueous solution
Test Condition : 70°C 2.0hr(s)

Test Item(s)	Max. Permissible Limit	Unit	MDL	Test result
Migration times	-	-	-	1st
Area/Volume	-	dm ² /kg	-	6.0
Specific migration of N-Nitrosamines	0.01	mg/kg	0.010	ND
Specific migration of N-Nitrosatable substances	0.1	mg/kg	0.10	ND
Comment				PASS

Notes :

1. N-Nitrosamines tested : N-nitrosodimethylamine (NDMA), N-nitrosodiethylamine (NDEA), N-nitrosodipropylamine (NDPA), N-nitrosodibutylamine (NDBA), N-nitrosopiperidine (NPIP), N-nitrosopyrrolidine (NPYR), N-nitrosomorpholine (NMOR), N-nitrosodibenzylamine (NDBzA), N-nitroso-N-methyl-N-phenylamine (NMPHA), N-nitroso-N-ethyl-N-phenylamine (NEPHA), N-nitrosodiisobutylamine (NDiBA) and N-Nitrosodiisobutylamine (NDiBA).
2. mg/kg = milligram per kilogram of foodstuff in contact with
3. MDL=Method Detection Limit
4. ND = Not Detected(less than MDL)

Commission Regulation (EU) 2018/213 of 12 February 2018 amending Regulation (EU) No 10/2011-Total Content of Bisphenol A

Test Method : With reference to Part II Section D2 of Testing Methods for Foodstuffs, Implements, Containers and Packaging, Toys, Detergents, JETRO, Japan External Trade Organization, 2009 (Dichloromethane extraction by ultrasonic bath). Analysis was performed by HPLC-MS

Test Item(s)	Limit	Unit	MDL	001	002	003
Total content of Bisphenol A	★	mg/kg	0.1	ND	ND	ND
Comment				PASS	PASS	PASS

Test Item(s)	Limit	Unit	MDL	004	005	006
Total content of Bisphenol A	★	mg/kg	0.1	ND	ND	ND
Comment				PASS	PASS	PASS



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Test Item(s)	Limit	Unit	MDL	007	008	009
Total content of Bisphenol A	★	mg/kg	0.1	ND	ND	ND
Comment				PASS	PASS	PASS

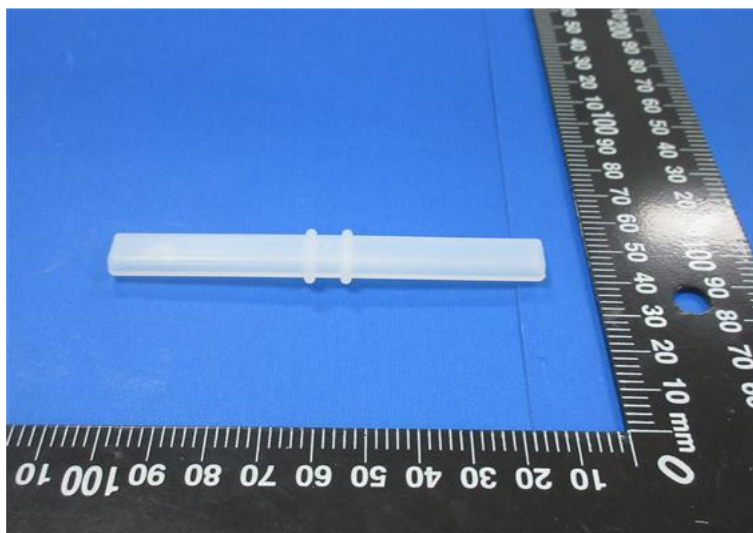
Test Item(s)	Limit	Unit	MDL	010	011	012
Total content of Bisphenol A	★	mg/kg	0.1	ND	ND	ND
Comment				PASS	PASS	PASS

Test Item(s)	Limit	Unit	MDL	013	014
Total content of Bisphenol A	★	mg/kg	0.1	ND	ND
Comment				PASS	PASS

Notes :

1. mg/kg = milligram per kilogram
2. MDL=Method Detection Limit
3. ND= Not Detected(less than MDL)
4. ★ = Prohibited

Sample photo:



CAN19-001539.001

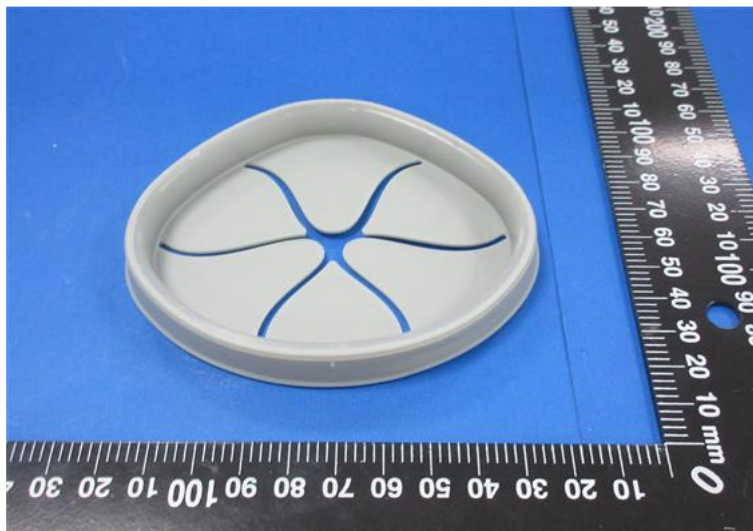


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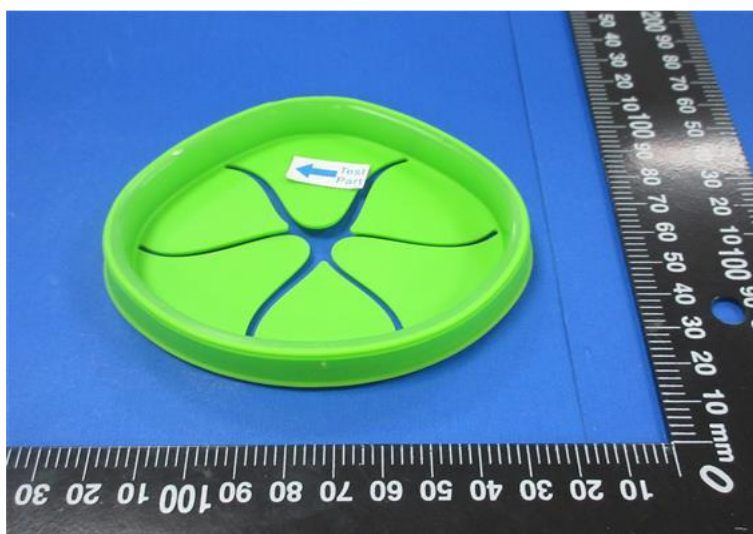
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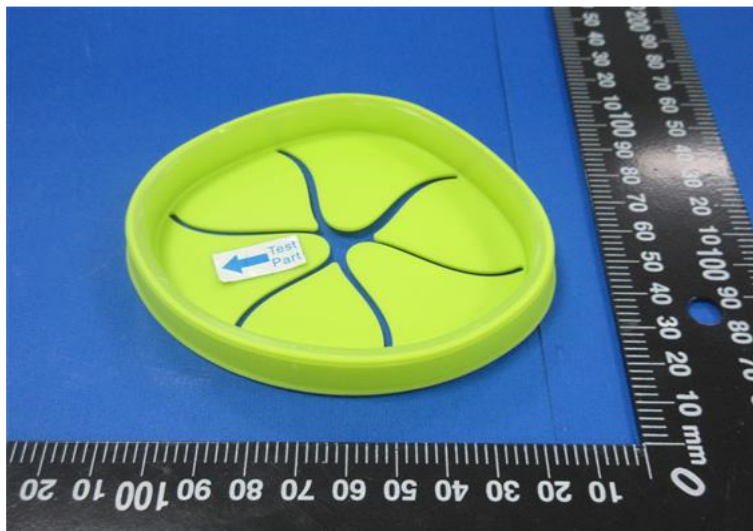


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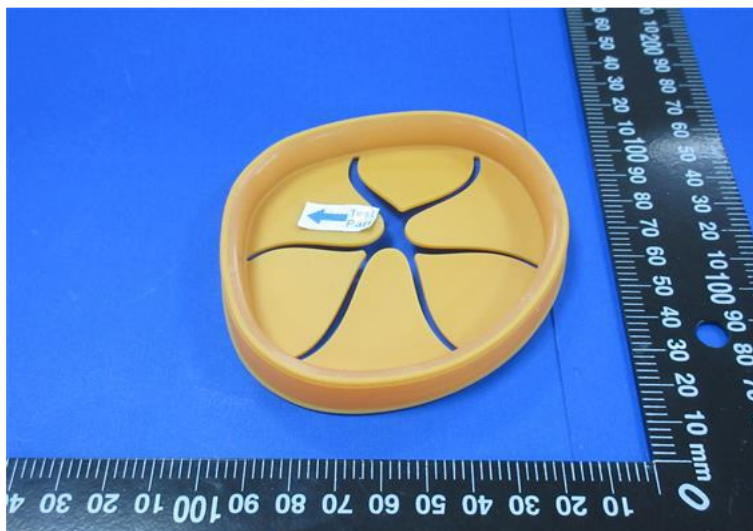


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CAN19-001539.004



CAN19-001539.005





CAN19-001539.006



CAN19-001539.007



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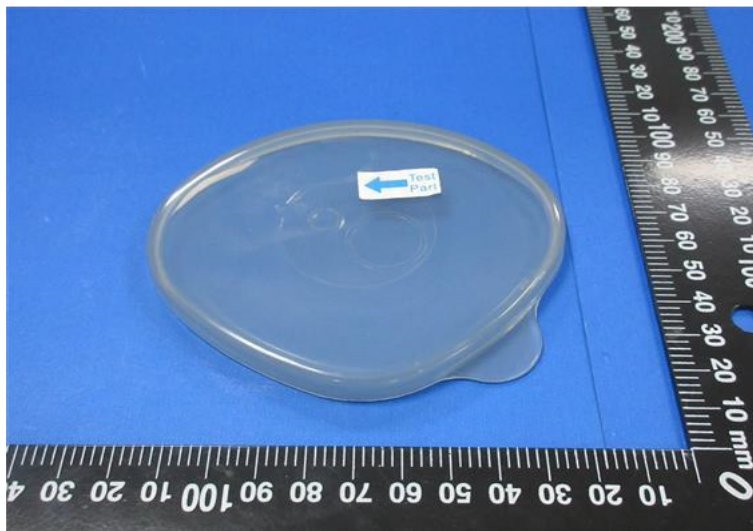


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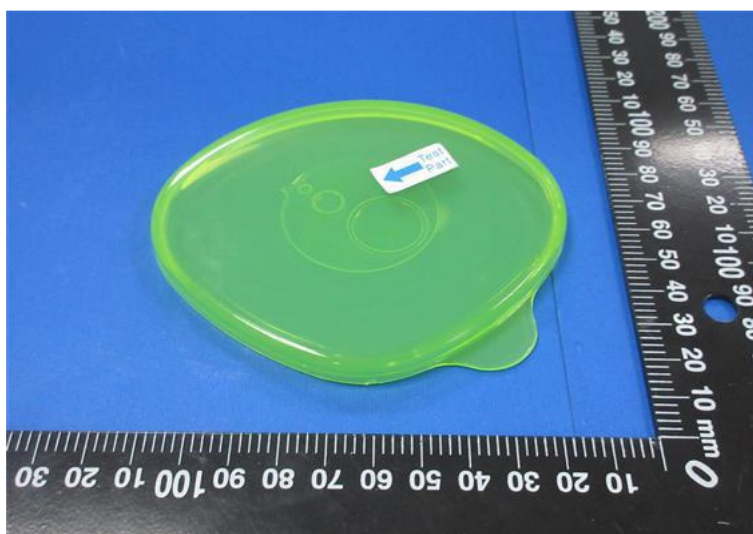


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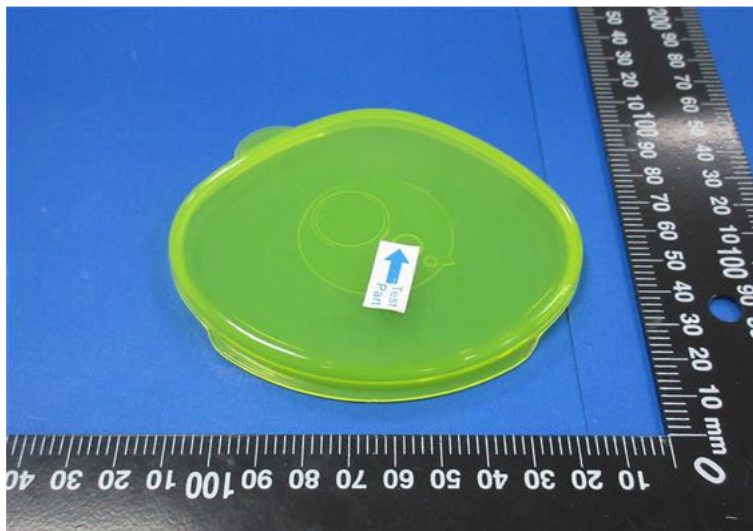


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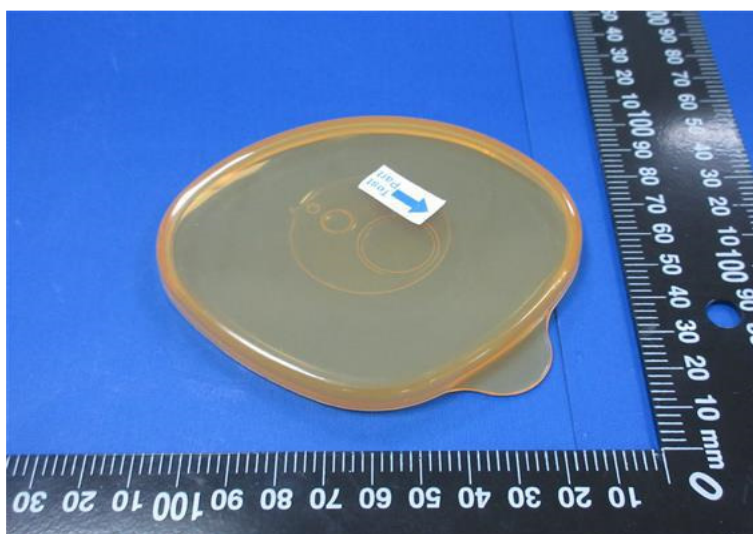


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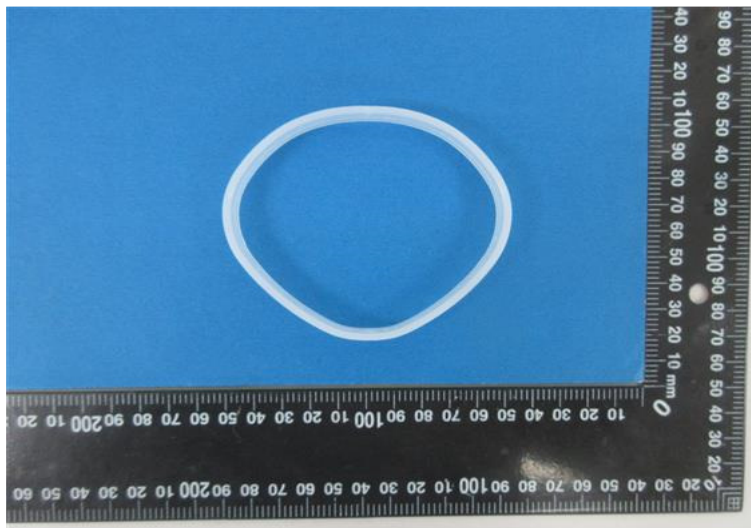


CAN19-001539.012



CAN19-001539.013





CAN19-001539.014

End of Report



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