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ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY AT-1500

TEST REPORT

Test Report #	19H-000245(A1)	Date of Report Issue:	February 1, 2019
Date of Sample Received:	January 11, 2019	Pages:	Page 1 of 42

CLIENT INFORMATION:

Company:	Prime Products Inc.
Recipient:	Elyse Kristinik
Recipient Email:	elyse.kristinik@primeproductsinc.net

SAMPLE INFORMATION:

Description:	All Polypropylene: 53mm Push Pull Lids, 63mm Push Pull Lids, 63mm SS Lids, Flip Up Sipper Lid, Sure Flow Lids, Mega Flow Lids, Snap-On Lids, Wine Glass Lid, The Cup Lid, Sienna Lid, Fruit Baskets, Ice Chiller, Straws, Mason Jar Lids, Stadium 12, Stadium 16, Stadium 22, Stadium 32, Sliders, The Cup, Single Wall Tumbler & Bolero Wall Tumbler		
Assortment:	-	Purchase Order Number:	-
SKU/style No.:	-	Toy Co./Agency:	-
Factory/Supplier/Vendor:	-	Country of Origin:	United States
Country of Distribution:	-	Labeled Age Grade:	-
Quantity Submitted:	Refer to Page 2	Recommended Age Grade:	-
Testing Period:	01/18/2019 – 01/25/2019	Tested Age Grade:	-

OVERALL RESULT: PASS

Refer to page 3 for test result summary and appropriate notes.

QIMA Testing (HK) Limited

Loska Yeung Lok Ka
Assistant Manager, Chemical Laboratory

QIMA Testing (HK) Limited

Ricky Cheung Chin Yeung
Manager, Physical Laboratory

QUANTITY SUBMITTED DETAILED:

Style description	Qty.
53mm Push Pull Lids - 3 Styles (Purple, Black, Trans Red)	3 pcs per style
63mm Push Pull Lids - 5 Styles (Green, Navy, Blue, Bright Green, Trans Red)	3 pcs per style
63mm SS Lids - 2 Styles (White, Trans Blue)	3 pcs per style
Flip Up Sipper Lids - Black	3 pcs
Sure Flow Lids - 2 Styles (Orange, Green)	3 pcs per style
Mega Flow Lids - 2 Styles (Red, Blue)	3 pcs per style
Snap-On Lids - Clear	3 pcs
Wine Glass Lid - Clear	3 pcs
The Cup Lid - 2 Styles (Clear, White)	3 pcs per style
Sienna Lid - Black	3 pcs
Fruit Baskets - 2 Styles (Green, Purple)	3 pcs per style
Ice Chiller - 3 Styles (Orange, Green, Clear)	3 pcs per style
Straws - 12 Styles (Bright Orange, Bright Aqua, Bright Blue, Bright Pink, Trans Red, Trans Orange, Trans Green, Trans Light Green, Trans Blue, Trans Purple, Trans Smoke, Clear)	11 pcs per style
Mason Jar Lids - 2 Styles (Bright Aqua, Bright Blue)	3 pcs per style
Sliders(Small) - 4 Styles (Bright Pink, Bright Aqua, Bright Lime, White)	22 pcs per style
Sliders(Big) - 4 Styles (Bright Orange, Bright Blue, Black, White)	22 pcs per style
Stadium 12 - 2 Styles (Blue, White)	2 pcs per style
Stadium 16 - 5 Styles (Red, Orange, Bright Blue, Bright Orange, Bright Pink)	2 pcs per style
Stadium 22 - 4 Styles (Navy, Green, Bright Orange, Bright Green)	2 pcs per style
Stadium 32 - 2 Styles (Bright Aqua, Bright Pink)	2 pcs per style
The Cup - 2 Styles (Yellow, Purple)	2 pcs per style
Single Wall Tumbler - 3 Styles (Trans Red, Trans Purple, Trans Smoke)	2 pcs per style
Bolero Wall Tumbler - Trans Green	2 pcs per style
Parts	1 lot

TEST RESULTS SUMMARY:

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

CONCLUSION	TEST(S) CONDUCTED
PASS	CPSIA Section 101, Total Lead in Substrate Materials
PASS	California Proposition 65, Total Lead in Substrate Materials
PASS	California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)
PASS	16 CFR 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates (DBP, BBP, DEHP, DINP, DHEXP / DnHP, DCHP, DIBP, DPENP)
PASS	Client's Requirement, Bisphenol A#
PASS	FDA 21 CFR 177.1210, Closures with Sealing Gaskets#
PASS	FDA 21 CFR 177.1520, Polypropylene Copolymers
PASS	FDA 21 CFR 177.2600, Rubber
PASS	16 CFR 1500.48 & 49 As received sharp point & edge
PASS	16 CFR 1500.3(c)(6)(vi), Flammability of Solids

DETAILED RESULTS:

CPSIA Section 101, 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.	1+2+3	4+5+6	7+8+9	10+11+12	13+14	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	ND	ND	**100**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	17+18	19+20+21	22+23+24	25+26+27	28+29+30	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	ND	ND	**100**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	31+32+33	34+35+36	37+38	---	---	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	---	---	**100**
Conclusion	PASS	PASS	PASS	---	---	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not detected (Reporting Limit = 20 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

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.	1+2+3	4+5+6	7+8+9	10+11+12	13+14	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	ND	ND	**100**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	17+18	19+20+21	22+23+24	25+26+27	28+29+30	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	ND	ND	**100**
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	31+32+33	34+35+36	37+38	---	---	**Total**
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Total Lead (Pb)	ND	ND	ND	---	---	**100**
Conclusion	PASS	PASS	PASS	---	---	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not detected (Reporting Limit = 20 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:
The specification is quoted from client's requirement.

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+2+3	4+5+6	7+8+9	10+11+12	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
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:
ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)
LT = Less than
ND = Not detected (Reporting Limit = 300 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:
The specification is quoted from client's requirement.

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.		13+14	17+18	19+20+21	22+23+24	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
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:
ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)
LT = Less than
ND = Not detected (Reporting Limit = 300 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:
The specification is quoted from client's requirement.

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.		25+26+27	28+29+30	31+32+33	34+35+36	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
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:
ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)
LT = Less than
ND = Not detected (Reporting Limit = 300 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:
The specification is quoted from client's requirement.

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.		37+38	---	---	---	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Dibutyl phthalate (DBP)	84-74-2	ND	---	---	---	**1000**
Benzyl butyl phthalate (BBP)	85-68-7	ND	---	---	---	**1000**
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	---	---	---	**1000**
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	---	---	---	**1000**
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	---	---	---	**1000**
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	---	---	---	**1000**
Conclusion		PASS	---	---	---	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)
LT = Less than
ND = Not detected (Reporting Limit = 300 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

Remark:
The specification is quoted from client's requirement.

DETAILED RESULTS:

16 CFR 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates (DBP, BBP, DEHP, DINP, DHEXP / DnHP, DCHP, DIBP, DPENP)

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

Specimen No.		1+2+3	4+5+6	7+8+9	10+11+12	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
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**
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	ND	ND	ND	**1000**
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	ND	**1000**
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	**1000**
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	ND	ND	**1000**
	Conclusion	PASS	PASS	PASS	PASS	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)
LT = Less than
ND = Not detected (Reporting Limit = 300 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

DETAILED RESULTS:

16 CFR 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates (DBP, BBP, DEHP, DINP, DHEXP / DnHP, DCHP, DIBP, DPENP)

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

Specimen No.		13+14	17+18	19+20+21	22+23+24	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
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**
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	ND	ND	ND	**1000**
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	ND	**1000**
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	**1000**
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	ND	ND	**1000**
	Conclusion	PASS	PASS	PASS	PASS	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)
LT = Less than
ND = Not detected (Reporting Limit = 300 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

DETAILED RESULTS:

16 CFR 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates (DBP, BBP, DEHP, DINP, DHEXP / DnHP, DCHP, DIBP, DPENP)

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

Specimen No.		25+26+27	28+29+30	31+32+33	34+35+36	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
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**
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	ND	ND	ND	**1000**
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	ND	**1000**
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	**1000**
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	ND	ND	**1000**
	Conclusion	PASS	PASS	PASS	PASS	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)
LT = Less than
ND = Not detected (Reporting Limit = 300 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

DETAILED RESULTS:

16 CFR 1307 Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates (DBP, BBP, DEHP, DINP, DHEXP / DnHP, DCHP, DIBP, DPENP)

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

Specimen No.		37+38	---	---	---	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Dibutyl phthalate (DBP)	84-74-2	ND	---	---	---	**1000**
Benzyl butyl phthalate (BBP)	85-68-7	ND	---	---	---	**1000**
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	---	---	---	**1000**
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	---	---	---	**1000**
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	---	---	---	**1000**
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	---	---	---	**1000**
Diisobutyl phthalate (DIBP)	84-69-5	ND	---	---	---	**1000**
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	---	---	---	**1000**
	Conclusion	PASS	---	---	---	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram) = 0.0001 % m/m (Percent by mass)
LT = Less than
ND = Not detected (Reporting Limit = 300 ppm)
Composite results are based on specimen of least mass resulting in highest potential concentration.

DETAILED RESULTS:

Client's Requirement, Bisphenol A

Test Method: In-House Method#
Analytical Method: Liquid Chromatography with Fluorescence Detection

Specimen No.		1	2	3	4	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	**ND**
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		5	6	7	8	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	**ND**
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		9	10	11	12	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	**ND**
Conclusion		PASS	PASS	PASS	PASS	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not Detected (Reporting Limit = 1 ppm)

DETAILED RESULTS:

Client's Requirement, Bisphenol A

Test Method: In-House Method#
Analytical Method: Liquid Chromatography with Fluorescence Detection

Specimen No.		13	14	17	18	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	**ND**
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		19	20	21	22	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	**ND**
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		23	24	25	26	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	**ND**
Conclusion		PASS	PASS	PASS	PASS	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not Detected (Reporting Limit = 1 ppm)

DETAILED RESULTS:

Client's Requirement, Bisphenol A

Test Method: In-House Method#
Analytical Method: Liquid Chromatography with Fluorescence Detection

Specimen No.		27	28	29	30	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	**ND**
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		31	32	33	34	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	**ND**
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		37	38	---	---	
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	**Limit (ppm)**
Bisphenol A (BPA)	80-05-7	ND	ND	---	---	**ND**
Conclusion		PASS	PASS	---	---	

Note:
ppm (Parts per million) = mg/kg (Milligrams per kilogram)
LT = Less than
ND = Not Detected (Reporting Limit = 1 ppm)

DETAILED RESULTS:

FDA 21 CFR 177.1210, Closures with Sealing Gaskets

Test Method: FDA 21 CFR 177.1210#

Specimen No.			37	---		
Test Item	Test Condition		Result (ppm)	Result (ppm)	**RL (ppm)**	**Limit (ppm)**
	Temp.	Duration				
Distilled water extractive	120°F	24 hours	ND	---	**10**	**50**
		Conclusion	PASS	---		

Note:
Temp. = Temperature
°F = Degree Fahrenheit
ppm (Parts per million) = mg/kg (Milligrams per kilogram foodstuff)
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 2.

DETAILED RESULTS:

FDA 21 CFR 177.1210, Closures with Sealing Gaskets

Test Method: FDA 21 CFR 177.1210#

Specimen No.			38	---		
Test Item	Test Condition		Result (ppm)	Result (ppm)	**RL (ppm)**	**Limit (ppm)**
	Temp.	Duration				
Distilled water extractive	Fill boiling	Until Cool to 100°F	ND	---	**10**	**50**
		Conclusion	PASS	---		

Note:
Temp. = Temperature
°F = Degree Fahrenheit
ppm (Parts per million) = mg/kg (Milligrams per kilogram foodstuff)
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.

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			1	2		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.918	0.905	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	0.9	3.3	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	ND	6.1	**1.0**	**30**
		Conclusion	PASS	PASS		

Specimen No.			3	4		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.901	0.898	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	3.7	3.3	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	6.7	7.1	**1.0**	**30**
		Conclusion	PASS	PASS		

Note:
Temp. = Temperature
°C = Degree Celsius
g/cc = Grams per cubic centimeter
% = 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) 3.1a.

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			5	6		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.903	0.901	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	4.7	3.8	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	11.2	6.6	**1.0**	**30**
		Conclusion	PASS	PASS		

Specimen No.			7	8		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.900	0.901	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	3.9	3.3	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	6.1	5.6	**1.0**	**30**
		Conclusion	PASS	PASS		

Note:
Temp. = Temperature
°C = Degree Celsius
g/cc = Grams per cubic centimeter
% = 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) 3.1a.

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			9	10		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.899	0.900	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	4.1	3.8	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	7.4	5.6	**1.0**	**30**
		Conclusion	PASS	PASS		

Specimen No.			11	12		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.915	0.906	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	3.8	4.2	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	6.6	6.0	**1.0**	**30**
		Conclusion	PASS	PASS		

Note:
Temp. = Temperature
°C = Degree Celsius
g/cc = Grams per cubic centimeter
% = 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) 3.1a.

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			13	14		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.901	0.903	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	4.2	4.0	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	6.8	6.9	**1.0**	**30**
		Conclusion	PASS	PASS		

Specimen No.			17	18		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.897	0.896	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	4.0	3.4	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	6.9	23.2	**1.0**	**30**
		Conclusion	PASS	PASS		

Note:
Temp. = Temperature
°C = Degree Celsius
g/cc = Grams per cubic centimeter
% = 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) 3.1a.

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			19	20		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.901	0.901	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	4.7	4.8	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	6.1	7.5	**1.0**	**30**
		Conclusion	PASS	PASS		

Specimen No.			21	22		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.900	0.899	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	3.2	3.5	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	7.4	7.1	**1.0**	**30**
		Conclusion	PASS	PASS		

Note:
Temp. = Temperature
°C = Degree Celsius
g/cc = Grams per cubic centimeter
% = 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) 3.1a.

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			23	24		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.898	0.898	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	3.7	3.6	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	6.2	6.5	**1.0**	**30**
		Conclusion	PASS	PASS		

Specimen No.			25	26		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.897	0.898	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	3.9	3.8	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	6.2	6.3	**1.0**	**30**
		Conclusion	PASS	PASS		

Note:
Temp. = Temperature
°C = Degree Celsius
g/cc = Grams per cubic centimeter
% = 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) 3.1a.

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			27	28		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.908	0.902	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	3.2	1.1	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	7.6	3.4	**1.0**	**30**
		Conclusion	PASS	PASS		

Specimen No.			29	30		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.902	0.897	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	0.9	2.8	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	3.9	6.4	**1.0**	**30**
		Conclusion	PASS	PASS		

Note:
Temp. = Temperature
°C = Degree Celsius
g/cc = Grams per cubic centimeter
% = 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) 3.1a.

DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			31	32		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.896	0.897	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	2.6	3.8	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	6.0	7.5	**1.0**	**30**
		Conclusion	PASS	PASS		

Specimen No.			33	34		
Test Item	Temp.	Duration	Result	Result	**RL**	**Limit**
Density (g/cc)	NA	NA	0.898	0.900	**NA**	**0.85-1.00**
n-Hexane extractive (%)	50°C	2 hours	3.6	3.8	**0.4**	**5.5**
Xylene extractive (%)	Reflux	2 hours or until total dissolved	7.0	7.3	**1.0**	**30**
		Conclusion	PASS	PASS		

Note:
Temp. = Temperature
°C = Degree Celsius
g/cc = Grams per cubic centimeter
% = 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) 3.1a.

DETAILED RESULTS:

FDA 21 CFR 177.2600, Rubber

Test Method: FDA 21 CFR 177.2600

Specimen No.			38		
Test Item	Test Condition		Result	**RL**	**Limit**
	Temp.	Duration			
Distilled water extractive (mg/in^2)	Reflux	First 7 hours	ND	**2**	**20**
Distilled water extractive (mg/in^2)	Reflux	Succeeding 2 hours	0.1	**0.1**	**1**
Conclusion			PASS		

Note:
Temp. = Temperature
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 177.2600 (e).

From Client's information, rubber article was intended for repeated use in contact with aqueous food only, therefore n-hexane extractive was not conducted.

DETAILED RESULTS:

16 CFR 1500.48 & 49 As received sharp point & edge

Test	Observation	Conclusion
Sharp Points	No Sharp point	PASS
Sharp Edges	No Sharp edge	PASS

16 CFR 1500.3(c)(6)(vi), Flammability of Solids

Flammable hazards evaluated as described in 16 CFR 1500.44.

Test	Observation	Conclusion
Flammability of Solids	The burn rate is less than 0.1 in/sec. The content is not defined as flammable solid according to 16 CFR 1500.3(c)(6)(vi).	PASS

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
1	Translucent plastic (PP-co)	Switch of lid/ slider (53mm Push Pull Lids/ 63mm Push Pull Lids/ Slider styles)
2	Black plastic (PP-co)	Switch of lid (63mm Push Pull Lids style); lid/ slider(53mm Push Pull Lid/ Slider/ Wine Glass Lid styles)
3	Purple plastic (PP-co)	Lid(53mm Push Pull Lids style)
4	Transparent red plastic (PP-co)	Lid/ straw/ cup (53mm Push Pull Lids/ straw/ Single Wall Tumbler styles)
5	Bright blue plastic (PP-co)	Lid (63mm Push Pull Lids style)
6	Green plastic (PP-co)	Lid/ cup (63mm Push Pull Lids/ Stadium 22 styles)
7	Translucent navy plastic (PP-co)	Lid (63mm Push Pull Lids style)
8	Light green plastic (PP-co)	Lid/ cup (63mm Push Pull Lids/ Stadium 22 styles)
9	Transparent pink plastic(PP-co)	Lid (63mm Push Pull Lids style)
10	Transparent blue plastic (PP-co)	Lid/ flip/ cup/ straw (63mm SS Lids/ Stadium 12/ Straw styles)
11	White plastic (PP-co)	Lid/ flip/ slider/ cup/ inner cups (63mm SS Lids/ The Cup Lid/ slider/ Stadium 12/ The Cups styles)
12	Bright black plastic (PP-co)	Lid (Flip Up Sipper Lids - Black style)
13	Transparent orange plastic (PP-co)	Lid/ cup (Sure Flow Lids/ Stadium 16 styles)
14	Dull green plastic (PP-co)	Lid/ slider (Sure Flow Lids/ slider styles)
17	Clear plastic (PP-co)	Lid (Snap-On Lid style)
18	Dull clear plastic (PP-co)	Lid/ slider/ straw (Wine Glass Lid/ The Cup Lid/ Straw styles)
19	Red plastic (PP-co)	Cup (Stadium 16 style)
20	Aqua plastic (PP-co)	Lid/ slider/ cup/ straw (Mason Jar Lids/ slider/ straw/ Stadium 32 Styles)

SPECIMEN DESCRIPTION:

Specimen No.	Specimen Description	Location
21	Sky blue plastic (PP-co)	Lid/ straw/ slider/ cup (Mason Jar Lids/ Straw/ Slider/ Stadium 16 Styles)
22	Transparent green plastic (PP-co)	Infuser/ cup/ straw (Fruit Baskets/ Bolero Wall Tumbler/ Straw styles)
23	Transparent purple plastic (PP-co)	Infuser/ Straw/ cup (Fruit Baskets/ Straw/ Single Wall Tumbler styles)
24	Transparent turquoise plastic (PP-co)	Tube (Ice Chiller style)
25	Clear plastic (PP-co)	Tube (Ice Chiller style)
26	Transparent bright orange plastic (PP-co)	Tube/ straw (Ice Chiller/ straw styles)
27	Matt black plastic (PP-co)	Lid (Sienna Lid style)
28	Bright orange plastic (PP-co)	Straw/ Slider/ cup (Straw/ Slider/ Stadium 22 styles)
29	Bright pink plastic (PP-co)	Straw/ Slider/ cup (Straw/ Slider/ Stadium 32 Styles)
30	Translucent smoke plastic (PP-co)	Straw/ cup (Straw/ Single Wall Tumbler styles)
31	Translucent green plastic (PP-co)	Straw (Straw style)
32	Shiny pink plastic (PP-co)	Cup (Stadium 16 Style)
33	Shiny orange plastic (PP-co)	Cup (Stadium 16 style)
34	Bright navy plastic (PP-co)	Cup (Stadium 22 style)
35	Yellow plastic (PP-co)	Outer wall(The Cup style)
36	Dull purple plastic (PP-co)	Outer wall (The Cup style)
37	Translucent soft plastic (Silicone)	Gasket (Sure Flow Lids style)
38	Black soft plastic (TPE)	Spout (Mega Flow Lids style)

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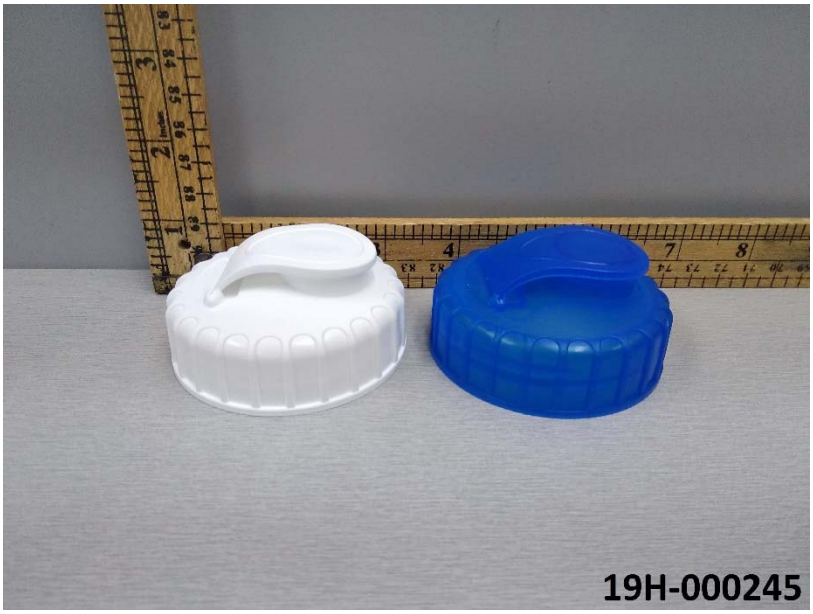

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