



TEST REPORT

Test Report # 17H-010140 Date of Report Issue: February 6, 2018
 Date of Sample Received: December 27, 2017 Pages: Page 1 of 43

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, The Cup Lid, Fruit Baskets, Ice Chiller, Straws, Mason Jar Lids, Stadium12, Stadium16, Stadium22, Stadium32, The Cup, The Designer Beverage 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:	01/29/2018 – 02/06/2018	Tested Age Grade:	-

OVERALL RESULT:

PASS

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

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The above test(s) is/are accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board (ANAB) according to certificate and scope of accreditation (Certificate # AT-1500.) Test(s) marked with '#' is/are not covered under the scope of accreditation.

The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.

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ANAB is recognized by ILAC, APLAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally.

**QUANTITY SUBMITTED DETAILED:**

Style description	Qty.
53mm Push Pull Lids - Blue	3 pcs
63mm Push Pull Lids - 11 Styles Pearl(Red, Pink, Orange, Green), Trans.(Gray, Royal blue)	4 pcs per style
63mm Push Pull Lids - 11 Styles Solid (Neon Green), Pearl(Black, Blue)	3 pcs per style
63mm Push Pull Lids - 11 Styles Pearl(Gray, Grayish blue)	2 pcs per style
63mm SS Lids - 2 Styles Solid(Orange, Lime)	4 pcs per style
Flip Up Sipper Lid - White	3 pcs
Sure Flow Lids - White	4 pcs
Mega Flow Lids - Black	4 pcs
Snap-On Lids - Clear	4 pcs
The Cup Lid - White	4 pcs
Fruit Baskets - 2 Styles Trans.(Orange, Green)	3 pcs per style
Ice Chiller - Lime	3 pcs
Straws - 11 Styles Trans.(Lime)	7 pcs
Straws - 11 Styles Solid (Pink, Green, Sky Blue, Brown), Trans.(Orange, Green, Purple, Clear)	6 pcs per style
Straws - 11 Styles Trans.(Blue, Smoke)	5 pcs per style
Mason Jar Lids - Red	4 pcs
Stadium12 - 4 Styles Solid(Pink, Orange, Turquoise, Sky Blue)	3 pcs per style
Stadium16 - Green	3 pcs
Stadium22 - 2 Styles Solid(Yellow, Royal Blue)	3 pcs per style
Stadium32 - Dark Brown	2 pcs
The Cup - Red	3 pcs
The Designer Beverage Cup - Pink	3 pcs
Single Wall Tumbler - Trans. Lime	3 pcs
Bolero Wall Tumbler - Trans. Green	2 pcs
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	Client's Requirement, Bisphenol A [#]
PASS	CPSIA Section 108, Phthalates – Mouthable (DBP, BBP, DEHP, DnOP, DINP, DIDP)
PASS	California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)
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

Remark:

CPSIA Section 101 & 16 CFR 1303, Total Lead in Paints and Surface Coatings and California Proposition 65, Total Lead in Paints and Surface Coatings were not conducted as no paint and similar surface coating found on received sample.

**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+15	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	16+17+18	19+20+21	22+23+24	25+26+27	28+29+30	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (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+39	40+41+42	43+44	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	100
Conclusion	PASS	PASS	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+15	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	100
Conclusion	PASS	PASS	PASS	PASS	PASS	

Specimen No.	16+17+18	19+20+21	22+23+24	25+26+27	28+29+30	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (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+39	40+41+42	43+44	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	ND	ND	ND	ND	100
Conclusion	PASS	PASS	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:****CPSIA Section 108, Phthalates – Mouthable (DBP, BBP, DEHP, DnOP, DINP, DIDP)**

Test Method: CPSC-CH-C1001-09.3
Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1+2+3	4+5+6	7+8+9	10+11+12	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (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
Di-n-octyl phthalate (DnOP)	117-84-0	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
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 = 120 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

**DETAILED RESULTS:****CPSIA Section 108, Phthalates – Mouthable (DBP, BBP, DEHP, DnOP, DINP, DIDP)**

Test Method: CPSC-CH-C1001-09.3

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		13+14+15	16+17+18	19+20+21	22+23+24	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (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
Di-n-octyl phthalate (DnOP)	117-84-0	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
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 = 120 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

**DETAILED RESULTS:****CPSIA Section 108, Phthalates – Mouthable (DBP, BBP, DEHP, DnOP, DINP, DIDP)**

Test Method: CPSC-CH-C1001-09.3

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		25+26+27	28+29+30	31+32+33	34+35+36	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (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
Di-n-octyl phthalate (DnOP)	117-84-0	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
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 = 120 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

**DETAILED RESULTS:****CPSIA Section 108, Phthalates – Mouthable (DBP, BBP, DEHP, DnOP, DINP, DIDP)**

Test Method: CPSC-CH-C1001-09.3

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		37+38+39	40+41+42	43+44	---	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	---	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	---	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	---	1000
Di-n-octyl phthalate (DnOP)	117-84-0	ND	ND	ND	---	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	---	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	---	1000
Conclusion		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 = 120 ppm)

Composite results are based on specimen of least mass resulting in highest potential concentration.

**DETAILED RESULTS:****California Proposition 65, Phthalates (DBP, BBP, DEHP, DINP, DIDP, DnHP)**

Test Method: CPSC-CH-C1001-09.3

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		1+2+3	4+5+6	7+8+9	10+11+12	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (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 = 120 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-C1001-09.3
 Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		13+14+15	16+17+18	19+20+21	22+23+24	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (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 = 120 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-C1001-09.3

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		25+26+27	28+29+30	31+32+33	34+35+36	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (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 = 120 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-C1001-09.3

Analytical Method: Gas Chromatography with Mass Spectrometry

Specimen No.		37+38+39	40+41+42	43+44	---	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	---	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	---	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	---	1000
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	---	1000
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	---	1000
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	ND	ND	---	1000
Conclusion		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 = 120 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:****Client's Requirement, Bisphenol A**

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

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

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

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

Specimen No.		13	14	15	16	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (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.		17	18	19	20	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	ND
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		21	22	23	24	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	ND
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		25	26	27	28	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	ND
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		29	30	31	32	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (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.		33	34	35	36	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	ND
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		37	39	40	41	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	ND	ND
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		42	43	44	---	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A (BPA)	80-05-7	ND	ND	ND	---	ND
Conclusion		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:

FDA 21 CFR 177.1210, Closures with Sealing Gaskets

Test Method: FDA 21 CFR 177.1210[#]

Specimen No.			43	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (ppm)	120°F	24 hours	ND	10	50
Conclusion			PASS		

Specimen No.			44	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Distilled water extractive (ppm)	Fill boiling, cool to 100°F	45 minutes	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 2.

The above test(s) is/are accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board (ANAB) according to certificate and scope of accreditation (Certificate # AT-1500.) Test(s) marked with '#' is/are not covered under the scope of accreditation.

The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.

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**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			1	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.920	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	0.9	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	4.0	1	30
Conclusion			PASS		

Specimen No.			2	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.905	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.3	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	7.2	1	30
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) 3.1a.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			3	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.890	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.2	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	22.2	1	30
Conclusion			PASS		

Specimen No.			4	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.908	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.1	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	7.9	1	30
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) 3.1a.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			5	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.910	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.4	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	7.1	1	30
Conclusion			PASS		

Specimen No.			6	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.902	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	ND	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	5.1	1	30
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) 3.1a.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			7	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.903	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.4	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	7.9	1	30
Conclusion			PASS		

Specimen No.			8	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.906	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.2	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	8.3	1	30
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) 3.1a.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			9	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.908	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	2.3	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	7.8	1	30
Conclusion			PASS		

Specimen No.			10	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.903	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.4	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	7.6	1	30
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) 3.1a.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			11	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.913	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.0	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	7.0	1	30
Conclusion			PASS		

Specimen No.			12	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.904	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.0	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	6.9	1	30
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) 3.1a.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			13	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.908	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	0.9	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	6.3	1	30
Conclusion			PASS		

Specimen No.			14	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.902	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	0.7	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	5.5	1	30
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) 3.1a.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			15	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.902	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.1	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	7.4	1	30
Conclusion			PASS		

Specimen No.			16	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.903	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.2	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	8.8	1	30
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) 3.1a.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			17	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.904	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.5	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	7.7	1	30
Conclusion			PASS		

Specimen No.			18	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.921	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.5	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	7.1	1	30
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) 3.1a.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			19	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.904	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.0	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	7.5	1	30
Conclusion			PASS		

Specimen No.			20	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.900	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.2	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	6.9	1	30
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) 3.1a.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			21	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.904	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.1	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	6.7	1	30
Conclusion			PASS		

Specimen No.			22	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.906	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.4	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	5.9	1	30
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) 3.1a.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			23	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.907	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	0.7	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	3.9	1	30
Conclusion			PASS		

Specimen No.			24	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.906	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	0.8	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	3.5	1	30
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) 3.1a.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			25	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.902	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	0.4	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	3.4	1	30
Conclusion			PASS		

Specimen No.			26	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.904	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	0.5	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	6.3	1	30
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) 3.1a.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			27	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.901	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.2	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	2.3	1	30
Conclusion			PASS		

Specimen No.			28	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.908	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.1	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	6.0	1	30
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) 3.1a.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			29	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.902	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.4	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	5.1	1	30
Conclusion			PASS		

Specimen No.			30	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.906	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.1	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	5.9	1	30
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) 3.1a.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			31	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.906	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.2	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	5.5	1	30
Conclusion			PASS		

Specimen No.			32	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.901	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	0.7	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	6.7	1	30
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) 3.1a.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			33	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.904	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.7	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	7.5	1	30
Conclusion			PASS		

Specimen No.			34	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.903	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.9	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	7.9	1	30
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) 3.1a.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			35	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.904	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.7	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	4.1	1	30
Conclusion			PASS		

Specimen No.			36	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.901	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.5	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	6.6	1	30
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) 3.1a.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.			37	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.910	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.4	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	6.3	1	30
Conclusion			PASS		

Specimen No.			39	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.902	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.6	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	7.1	1	30
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) 3.1a.



DETAILED RESULTS:

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			40	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.902	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.5	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	6.7	1	30
Conclusion			PASS		

Specimen No.			41	RL	Limit
Test Item	Test Condition		Result		
	Temp.	Duration			
Density (g/cc)	NA	NA	0.905	NA	0.85 – 1.00
n-Hexane extractive (% w/w)	50 °C	2 hours	1.9	0.4	5.5
Xylene extractive (% w/w)	25 °C	1 hour	6.6	1	30
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) 3.1a.

**DETAILED RESULTS:****FDA 21 CFR 177.1520, Polypropylene Copolymers**

Test Method: FDA 21 CFR 177.1520

Specimen No.		42		Result	RL	Limit
Test Item	Test Condition					
	Temp.	Duration				
Density (g/cc)	NA	NA	0.937	NA	0.85 – 1.00	
n-Hexane extractive (% w/w)	50 °C	2 hours	ND	0.4	5.5	
Xylene extractive (% w/w)	25 °C	1 hour	ND	1	30	
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) 3.1a.



DETAILED RESULTS:

FDA 21 CFR 177.2600, Rubber

Test Method: FDA 21 CFR 177.2600

Specimen No.			44	RL	Limit
Test Item	Test Condition		Result		
	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	0.3	0.1	1
Conclusion			PASS		

Note:

Temp. = Temperature

mg/in² = 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.

The above test(s) is/are accredited under the laboratory’s ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board (ANAB) according to certificate and scope of accreditation (Certificate # AT-1500.) Test(s) marked with ‘#’ is/are not covered under the scope of accreditation.

The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.

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**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 (53mm Push Pull Lids/ 63mm Push Pull Lids styles)
2	Blue plastic (PP-co)	Lid (53mm Push Pull Lids style)
3	Black plastic (PP-co)	Switch of lid (63mm Push Pull Lids style); lid (Mega Flow Lids style)
4	Red plastic (PP-co)	Lid (63mm Push Pull Lids style)
5	Bright blue plastic (PP-co)	Lid (63mm Push Pull Lids style)
6	Green plastic (PP-co)	Lid (63mm Push Pull Lids style)
7	Bright black plastic (PP-co)	Lid (63mm Push Pull Lids style)
8	Translucent navy plastic (PP-co)	Lid (63mm Push Pull Lids style)
9	Bright grey plastic (PP-co)	Lid (63mm Push Pull Lids style)
10	Transparent black plastic (PP-co)	Lid (63mm Push Pull Lids style)
11	Golden plastic (PP-co)	Lid (63mm Push Pull Lids style)
12	Magenta plastic (PP-co)	Lid (63mm Push Pull Lids style)
13	Bright green plastic (PP-co)	Lid (63mm Push Pull Lids style)
14	Orange plastic (PP-co)	Lid/ flip (63mm SS Lids style)
15	Dull green plastic (PP-co)	Lid/ flip (63mm SS Lids style)
16	Dull translucent plastic (PP-co)	Lid (Flip Up Sipper Lid/ Sure Flow Lids styles)
17	Clear plastic (PP-co)	Lid (Snap-On Lids style)
18	White plastic (PP-co)	Lid (The Cup Lid style); inner wall (The Cup style)
19	Transparent orange plastic (PP-co)	Infuser (Fruit Baskets style)
20	Transparent turquoise plastic (PP-co)	Infuser (Fruit Baskets style)
21	Transparent green plastic (PP-co)	Tube (Ice Chiller style); straw (Straws style)

**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
22	Matt translucent plastic (PP-co)	Straw/ ring of straw (Straws style)
23	Sharp blue plastic (PP-co)	Straw (Straws style); cup (Stadium12 style)
24	Turquoise plastic (PP-co)	Straw (Straws style); cup (Stadium12 style)
25	Dark pink plastic (PP-co)	Straw (Straws style); cup (Stadium12 style)
26	Translucent black plastic (PP-co)	Straw (Straws style)
27	Translucent dark red plastic (PP-co)	Straw (Straws style)
28	Translucent purple plastic (PP-co)	Straw (Straws style)
29	Translucent blue plastic (PP-co)	Straw (Straws style)
30	Translucent green plastic (PP-co)	Straw (Straws style)
31	Translucent orange plastic (PP-co)	Straw (Straws style)
32	Transparent red plastic (PP-co)	Lid (Mason Jar Lids style)
33	Bright orange plastic (PP-co)	Cup (Stadium12 style)
34	Dark green plastic (PP-co)	Cup (Stadium16 style)
35	Yellow plastic (PP-co)	Cup (Stadium22 style)
36	Navy plastic (PP-co)	Cup (Stadium22 style)
37	Deep red plastic (PP-co)	Cup (Stadium32 style)
38	Dull red plastic (PP-co)	Outer wall (The Cup style)
39	Bright pink plastic (PP-co)	Cup (The Designer Beverage Cup style)
40	Transparent dark green plastic (PP-co)	Inner wall/ outer wall (Bolero Wall Tumbler style)
41	Clear green plastic (PP-co)	Cup (Single Wall Tumbler style)
42	Off translucent plastic (PP-co)	Holder of gasket (Sure Flow Lids style)
43	Translucent soft plastic	Gasket (Sure Flow Lids style)
44	Black soft plastic (TPE)	Spout (Mega Flow Lids style)



SAMPLE PHOTO:



-End Report-