

Test report

24H-000148



Verify Report

Overall result

PASS

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

Client information

Client: Prime Products Inc.
Address: 601 S Main
Schulenburg
TX 78956
United States



Sample information

Description: Polypropylene-Stadium Cups 16 & 22
Assortment: Aqua Bright, Black, Blue, Bright Blue, Bluetrns, Clear, Frost to Blue, Frost to Magenta, Frost to Orange, Frost to Red, Dark Green, Green Kelly, Grntrns, Limegreen, Maroon, Navy, Orange, Orange Bright, Orange Neon, Pink Bright, Pink Neon, Purple, Purpletrns, Red, Redtrns, Teal, Yellow, White, Blue to Purple, Green to Blue, Orange to Red, Red to Purple, & Yellow to Green

Labeled age grade: -

Country of origin: -

Tested age grade: -

Country of distribution: -

Quantity submitted: 2 pcs per style

General information

Sample receipt date: 10-Jan-2024

Report date: 18-Jan-2024

Testing period: 10-Jan-2024 to 18-Jan-2024

The test(s) reported herein is/are accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI 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. ANAB is recognized by ILAC, APAC and IAAC as a signatory of multilateral recognition arrangements that facilitate acceptance of test internationally.



Verify Report

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General information

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Result summary

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

Test(s) conducted	Conclusion
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 177.1520, Polypropylene Copolymers	PASS
16 CFR 1500, Federal Hazardous Substances Act (FHSA), Mechanical Hazards	PASS
16 CFR 1500.3(c)(6)(vi), Flammability of Solids	PASS





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	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	100
Conclusion	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	---	---	---	---	Total Limit (ppm)
Test Item	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Total Lead (Pb)	ND	---	---	---	---	100
Conclusion	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
Test Instrument: Gas Chromatography with Mass Spectrometry

Specimen No.		1+2+3	4+5+6	7+8+9	10+11+12	Limit (% w/w)
Test Item	CAS No.	Result (% w/w)	Result (% w/w)	Result (% w/w)	Result (% w/w)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	0.1
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	ND	ND	ND	0.1
Conclusion		PASS	PASS	PASS	PASS	

Specimen No.		13+14+15	16+17+18	19+20+21	22+23+24	Limit (% w/w)
Test Item	CAS No.	Result (% w/w)	Result (% w/w)	Result (% w/w)	Result (% w/w)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	0.1
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	ND	ND	ND	0.1
Conclusion		PASS	PASS	PASS	PASS	

Note:

% w/w = Percent by weight

LT = Less than

ND = Not detected (Reporting Limit = 0.015 % w/w)

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
Test Instrument: Gas Chromatography with Mass Spectrometry

Specimen No.		25+26+27	28+29+30	31+32+33	---	Limit (% w/w)
Test Item	CAS No.	Result (% w/w)	Result (% w/w)	Result (% w/w)	Result (% w/w)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	---	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	---	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	---	0.1
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	---	0.1
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1	ND	ND	ND	---	0.1
Di-n-hexyl phthalate (DnHP)	84-75-3	ND	ND	ND	---	0.1
Conclusion		PASS	PASS	PASS	---	

Note:

% w/w = Percent by weight

LT = Less than

ND = Not detected (Reporting Limit = 0.015 % w/w)

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
Test Instrument: Gas Chromatography with Mass Spectrometry

Specimen No.		1+2+3	4+5+6	7+8+9	10+11+12	Limit (% w/w)
Test Item	CAS No.	Result (% w/w)	Result (% w/w)	Result (% w/w)	Result (% w/w)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	ND	ND	0.1
Conclusion		PASS	PASS	PASS	PASS	

Note:

% w/w = Percent by weight

LT = Less than

ND = Not detected (Reporting Limit = 0.015 % w/w)

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
Test Instrument: Gas Chromatography with Mass Spectrometry

Specimen No.		13+14+15	16+17+18	19+20+21	22+23+24	Limit (% w/w)
Test Item	CAS No.	Result (% w/w)	Result (% w/w)	Result (% w/w)	Result (% w/w)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	ND	0.1
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	ND	0.1
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	ND	ND	ND	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	ND	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	0.1
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	ND	ND	0.1
Conclusion		PASS	PASS	PASS	PASS	

Note:

% w/w = Percent by weight

LT = Less than

ND = Not detected (Reporting Limit = 0.015 % w/w)

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
Test Instrument: Gas Chromatography with Mass Spectrometry

Specimen No.		25+26+27	28+29+30	31+32+33	---	Limit (% w/w)
Test Item	CAS No.	Result (% w/w)	Result (% w/w)	Result (% w/w)	Result (% w/w)	
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	---	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	---	0.1
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	ND	---	0.1
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0	ND	ND	ND	---	0.1
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	ND	ND	ND	---	0.1
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	ND	ND	---	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	---	0.1
Di-n-pentyl phthalate (DPENP)	131-18-0	ND	ND	ND	---	0.1
Conclusion		PASS	PASS	PASS	---	

Note:

% w/w = Percent by weight

LT = Less than

ND = Not detected (Reporting Limit = 0.015 % w/w)

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,
Liquid Chromatography-Mass Spectrometer (LC-MS)

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	

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	

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,
Liquid Chromatography-Mass Spectrometer (LC-MS)

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	

Specimen No.		33	---	---	---	Limit (ppm)
Test Item	CAS No.	Result (ppm)	Result (ppm)	Result (ppm)	Result (ppm)	
Bisphenol A (BPA)	80-05-7	ND	---	---	---	ND
Conclusion		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 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			1	2	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.901	0.909	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	7.3	7.3	1.0	30
Conclusion			PASS	PASS		

Specimen No.			3	4	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.911	0.905	NA	0.85-1.00
n-Hexane Extractive (%)	50°C	2 hours	4.6	4.6	0.4	5.5
Xylene Extractive (%)	Reflux	2 Hours or Until Total Dissolved	6.4	6.6	1.0	30
Conclusion			PASS	PASS		

Specimen No.			5	6	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.898	0.897	NA	0.85-1.00
n-Hexane Extractive (%)	50°C	2 hours	3.9	3.5	0.4	5.5
Xylene Extractive (%)	Reflux	2 Hours or Until Total Dissolved	5.9	5.7	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.



Verify Report



Detailed results

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			7	8	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.898	0.901	NA	0.85-1.00
n-Hexane Extractive (%)	50°C	2 Hours	4.3	4.4	0.4	5.5
Xylene Extractive (%)	Reflux	2 Hours or Until Total Dissolved	5.8	7.3	1.0	30
Conclusion			PASS	PASS		

Specimen No.			9	10	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.896	0.898	NA	0.85-1.00
n-Hexane Extractive (%)	50°C	2 hours	4.5	4.7	0.4	5.5
Xylene Extractive (%)	Reflux	2 Hours or Until Total Dissolved	7.3	6.4	1.0	30
Conclusion			PASS	PASS		

Specimen No.			11	12	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.898	0.903	NA	0.85-1.00
n-Hexane Extractive (%)	50°C	2 hours	4.3	4.9	0.4	5.5
Xylene Extractive (%)	Reflux	2 Hours or Until Total Dissolved	7.1	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	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.900	0.903	NA	0.85-1.00
n-Hexane Extractive (%)	50°C	2 Hours	4.3	3.5	0.4	5.5
Xylene Extractive (%)	Reflux	2 Hours or Until Total Dissolved	6.5	6.0	1.0	30
Conclusion			PASS	PASS		

Specimen No.			15	16	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.903	0.904	NA	0.85-1.00
n-Hexane Extractive (%)	50°C	2 hours	5.0	3.4	0.4	5.5
Xylene Extractive (%)	Reflux	2 Hours or Until Total Dissolved	6.0	6.6	1.0	30
Conclusion			PASS	PASS		

Specimen No.			17	18	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.900	0.900	NA	0.85-1.00
n-Hexane Extractive (%)	50°C	2 hours	4.0	4.9	0.4	5.5
Xylene Extractive (%)	Reflux	2 Hours or Until Total Dissolved	7.0	8.0	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.



Verify Report



Detailed results

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			19	20	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.898	0.901	NA	0.85-1.00
n-Hexane Extractive (%)	50°C	2 Hours	3.3	4.5	0.4	5.5
Xylene Extractive (%)	Reflux	2 Hours or Until Total Dissolved	8.0	9.1	1.0	30
Conclusion			PASS	PASS		

Specimen No.			21	22	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.896	0.902	NA	0.85-1.00
n-Hexane Extractive (%)	50°C	2 hours	3.6	3.7	0.4	5.5
Xylene Extractive (%)	Reflux	2 Hours or Until Total Dissolved	7.5	7.6	1.0	30
Conclusion			PASS	PASS		

Specimen No.			23	24	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.899	0.902	NA	0.85-1.00
n-Hexane Extractive (%)	50°C	2 hours	3.8	3.8	0.4	5.5
Xylene Extractive (%)	Reflux	2 Hours or Until Total Dissolved	8.4	8.3	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.



Verify Report



Detailed results

FDA 21 CFR 177.1520, Polypropylene Copolymers

Test Method: FDA 21 CFR 177.1520

Specimen No.			25	26	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.899	0.898	NA	0.85-1.00
n-Hexane Extractive (%)	50°C	2 Hours	4.4	3.8	0.4	5.5
Xylene Extractive (%)	Reflux	2 Hours or Until Total Dissolved	8.0	8.4	1.0	30
Conclusion			PASS	PASS		

Specimen No.			27	28	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.902	0.907	NA	0.85-1.00
n-Hexane Extractive (%)	50°C	2 hours	4.0	3.8	0.4	5.5
Xylene Extractive (%)	Reflux	2 Hours or Until Total Dissolved	7.7	6.9	1.0	30
Conclusion			PASS	PASS		

Specimen No.			29	30	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.898	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	8.0	6.2	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.			31	32	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.898	0.898	NA	0.85-1.00
n-Hexane Extractive (%)	50°C	2 Hours	3.4	3.5	0.4	5.5
Xylene Extractive (%)	Reflux	2 Hours or Until Total Dissolved	6.3	5.9	1.0	30
Conclusion			PASS	PASS		

Specimen No.			33	---	RL	Limit
Test Item	Temp.	Duration	Result	Result		
Density (g/cc)	NA	NA	0.898	---	NA	0.85-1.00
n-Hexane Extractive (%)	50°C	2 hours	4.2	---	0.4	5.5
Xylene Extractive (%)	Reflux	2 Hours or Until Total Dissolved	7.5	---	1.0	30
Conclusion			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

16 CFR 1500, Federal Hazardous Substances Act (FHSA), Mechanical Hazards

Mechanical hazards evaluated as described in 16 CFR 1500.51-1500.53, as applicable.

Test	Observation	Conclusion
Sharp Point	No as received Sharp Point	PASS
Sharp Edge	No as received 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 or equal to 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 #	Specimen description	Location
1	Turquoise plastic (PP-co)	Cup (Aqua Bright style)
2	Black plastic (PP-co)	Cup (Black style)
3	Deep blue plastic (PP-co)	Cup (Blue style)
4	Blue plastic (PP-co)	Cup (Bright Blue style)
5	Clear blue plastic (PP-co)	Cup (Bluetrns style)
6	Clear plastic (PP-co)	Cup (Clear style)
7	Dull clear plastic (PP-co)	Cup (Frost to Blue style)
8	Clear pale pink plastic (PP-co)	Cup (Frost to Magenta style)
9	Clear pale orange plastic (PP-co)	Cup (Frost to Orange style)
10	Clear light purple plastic (PP-co)	Cup (Frost to Red style)
11	Deep green plastic (PP-co)	Cup (Dark Green style)
12	Green plastic (PP-co)	Cup (Green Kelly style)
13	Clear green plastic (PP-co)	Cup (Grntrns style)
14	Light green plastic (PP-co)	Cup (Limegreen style)
15	Maroon plastic (PP-co)	Cup (Maroon style)
16	Navy plastic (PP-co)	Cup (Navy style)
17	Deep orange plastic (PP-co)	Cup (Orange style)
18	Reddish orange plastic (PP-co)	Cup (Orange Bright style)
19	Clear fluorescent orange plastic (PP-co)	Cup (Orange Neon style)
20	Pink plastic (PP-co)	Cup (Pink Bright style)
21	Clear fluorescent pink plastic (PP-co)	Cup (Pink Neon style)
22	Purple plastic (PP-co)	Cup (Purple style)
23	Clear purple plastic (PP-co)	Cup (Purpletrns style)
24	Red plastic (PP-co)	Cup (Red style)
25	Clear red plastic (PP-co)	Cup (Redtrns style)
26	Deep turquoise plastic (PP-co)	Cup (Teal style)
27	Yellow plastic (PP-co)	Cup (Yellow style)
28	White plastic (PP-co)	Cup (White style)
29	Clear deep blue plastic (PP-co)	Cup (Blue to Purple style)
30	Clear lime green plastic (PP-co)	Cup (Green to Blue style)
31	Clear orange plastic (PP-co)	Cup (Orange to Red style)
32	Clear light red plastic (PP-co)	Cup (Red to Purple style)
33	Clear yellow plastic (PP-co)	Cup (Yellow to Green style)





Pictures

Sample photo:



End of the report

The test result(s) and conclusion(s) in this report relate only to the sample(s) as received and the method /regulation section(s) tested as described herein. If it is not further specified in the report, the decision rule for stating conformity is based on the QIMA decision rule. (<https://www.qima.com/conditions-of-service#decisionRule>). This test report may not be reproduced in whole or in part, without the written approval of QIMA Testing (HK) Limited.



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