



Test Report

No. GSL20221009003

Date: Oct. 20,2022

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Applicant : CUSTOM PLASTIC SPECIALTIES,INC
Address : 5678 WEST RIDGE ROAD ERIE,PENNSYLVANIA 16506
Sample Description : TRITAN BOTTLE
Color : TRANSPARENT
Country of Origin : CHINA
Country of Destination : AMERICA

Sample Received Date : OCT. 09,2022
Turn Around Time : OCT. 09,2022 TO OCT. 20,2022

Test Requested	Result
- Total Lead in Substrate - According to Consumer Product Safety Improvement Act 2008 (CPSIA)	PASS
- Total Lead in Substrate - According to California Proposition 65	PASS
- Phthalates Content - According to Consumer Product Safety Improvement Act 2008 (CPSIA)	PASS
- Phthalates Content - According to California Proposition 65	PASS
- BPA Content – US EPA 3550C:2007 and US EPA 8270D:2007	PASS
- FDA Specifications 21 CFR 177.2420 - for Tritan polymer used in contact with food	PASS
- FDA Specifications 21 CFR 177.1520 - for polypropylene used in contact with food	PASS
- FDA Specifications 21 CFR 177.1210 - for Closures (CLOS) with sealing gaskets used as the food-contact surface of articles.	PASS

*** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) ***

Signed for and on behalf of
 Greatesting Service Shanghai Co.,Ltd

Approve:Carp Quan
 Position:Technical Superviso



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Sample Photo:



TO BE CONTINUED



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Result:

1. Total Lead Content in Substrate (CPSIA)

Test Method: With reference to CPSC-CH-E 1002-08.3, analysis was performed by ICP-OES.						
Limit: According to Consumer Product Safety Improvement Act 2008 (CPSIA)						
Tested Item(s)	Unit	Test Result			M.D.L.	Limit
		1	2	3		
Total Lead	ppm	ND	ND	ND	10	100
Note: ND = not detected, less than M.D.L M.D.L. = method detection limit ppm = milligram per kilogram, mg/kg The sample(s) test method and standard are specified by client.						

2. Total Lead Content in Substrate (CA 65)

Test Method: With reference to CPSC-CH-E 1002-08.3, analysis was performed by ICP-OES.						
Limit: According to California proposition 65						
Tested Item(s)	Unit	Test Result			M.D.L.	Limit
		1	2	3		
Total Lead	ppm	ND	ND	ND	10	100
Note: ND = not detected, less than M.D.L M.D.L. = method detection limit ppm = milligram per kilogram, mg/kg The sample(s) test method and standard are specified by client.						

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3. Phthalates Content (CPSIA)

Test method: CPSC-CH-C1001-09.4							
Limit: According to Consumer Product Safety Improvement Act 2008 (CPSIA)							
Parameter	CAS No.	Unit	Limit	M.D.L.	Test Result		
					1	2	3
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND
Diisononylphthalate (DINP)	28553-12-0 68515-48-0	%	0.1	0.005	ND	ND	ND
Diisobutylphthalate(DIBP)	84-69-5	%	0.1	0.005	ND	ND	ND
Dicyclohexylphthalate (DCHP)	84-61-7	%	0.1	0.005	ND	ND	ND
Di-n-hexyl(DHEXP)	84-75-3	%	0.1	0.005	ND	ND	ND
Di-n-pentylphthalate(DPENP)	131-18-0	%	0.1	0.005	ND	ND	ND
Note: M.D.L. = Method Detection Limit ND = Not detected, less than M.D.L. The sample(s) test method and standard are specified by client.							



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4. Phthalates Content (CA 65)

Test method: CPSC-CH-C1001-09.4							
Limit: According to California proposition 65							
Parameter	CAS No.	Unit	Limit	M.D.L.	Test Result		
					1	2	3
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND
Benzylbutylphthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND
Diisononylphthalate (DINP)	28553-12-0 68515-48-0	%	0.1	0.005	ND	ND	ND
Diisodecylphthalate(DIDP)	26761-40-0 68515-49-1	%	0.1	0.005	ND	ND	ND
Dinonylphthalate(DNOP)	117-84-0	%	0.1	0.005	ND	ND	ND
Di-n-hexyl(DHEXP)	84-75-3	%	0.1	0.005	ND	ND	ND
Note: M.D.L. = Method Detection Limit ND = Not detected, less than M.D.L The sample(s) test method and standard are specified by client.							

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5. BPA Content

Test Method: US EPA 3550C:2007 and US EPA 8270D:2007					
Test equipment: Solvent extraction and quantification by gas chromatography-mass selective detector (GC-MS)					
Tested Item	Unit	Test Result			M.D.L.
		1	2	3	
Bisphenol A (BPA)	mg/kg	ND	ND	ND	1
Note: ND = not detected, less than M.D.L mg/kg = milligram per kilogram, ppm The sample(s) test method and standard are specified by client.					

6. 21 CFR 177.2420 for Tritan polymer

Test method: With reference to FDA 21 CFR 177.2420			
Limit: In accordance with the FDA Regulations for PTFE used in contact with food.			
Simulant Used	MDL(mg/inch ²)	Limit (mg/inch ²)	Result
			1
Distilled Water	0.01	0.1	0.06
8% Ethanol	0.01	0.1	0.08
50% Ethanol	0.01	0.1	0.08
n-Heptane	0.01	0.1	0.05
Note: M.D.L. = Method Detection Limit ND = Not detected, less than M.D.L The sample(s) test method and standard are specified by client.			



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7. 21 CFR 177.1520 for PP

Test method: With reference to FDA 21 CFR 177.1520				
Limit: In accordance with the FDA Regulations for polypropylene used in contact with food.				
Test Item(s)	Unit	Limit	MDL	Test result
				2
Extractable fraction in n-hexane at reflux temperature	w/w %	5.5 max	0.5	0.96
Soluble fraction in xylene at 25°C	w/w %	5.5 max	0.5	1.2
Note: ND = Not detected MDL = Method Detection Limit The sample(s) test method and standard are specified by client.				

8. FDA 21 CFR 177.1210 for Closures (CLOS) with sealing gaskets

Test method: As specified in FDA 21 CFR 177.1210				
Limit: As specified by client, for compliance with the FDA Regulations for Closures (CLOS) with sealing gaskets used as the food-contact surface of articles.				
Test Item	Unit	Limit	MDL	Test result
				3
Distilled Water-Chloroform Soluble Extractives	mg/kg	50	5	ND
8% Alcohol-Chloroform Soluble Extractives	mg/kg	50	5	ND
n-Heptane- Chloroform Soluble Extractives	mg/kg	50	5	ND
Note: ND = Not detected MDL = Method Detection Limit The sample(s) test method and standard are specified by client.				

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Sample ID.	Test Part Description
1	Transparent hard plastic(bottle)
2	Black hard plastic(lids)
3	Silicone gasket

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