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TEST REPORT

Send To: 76890

Mr. Duane Howard
Carolina Ice Company, Inc.
2466 Old Poole Road
Kinston, NC 28504

Facility: 76891

Ice Manufacturing & Packaging
2466 Old Poole Road
Kinston NC 28504
United States

Result	COMPLETE	Final Report Date	20-NOV-2024
Customer Name	Carolina Ice Company, Inc.		
Tested To	USFDA CFR Title 21 Part 165.110		
Description	Source Water		
Test Type	Source Water		
Job Number	A-00473835		
Project Number	W0870150		
Project Manager	Luba Razhavsky		

Thank you for having your product tested by NSF.

Please contact your Project Manager if you have any questions or concerns pertaining to this report.

Report Authorization

Nancy F. Cole

Nancy Cole - Director, Analysis Laboratories

Date 20-NOV-2024



Sample Id: S-0002169025

Testing Parameter	Reporting Limit	Result	FDA SOQ	Units	P / F
Inorganic Chemicals					
Barium	0.001	ND	2	mg/L	Pass
Beryllium	0.0002	ND	0.004	mg/L	Pass
Bromide	10	ND		ug/L	
Cadmium	0.0002	ND	0.005	mg/L	Pass
Calcium	0.02	ND		mg/L	
Chloride	20	480	250	mg/L	Fail
Chromium (includes Hexavalent Chromium)	0.001	ND	0.1	mg/L	Pass
Copper	0.001	0.008	1	mg/L	Pass
Cyanide, Total	0.005	ND	0.2	mg/L	Pass
Fluoride	0.1	ND	2.4	mg/L	Pass
Iron	0.02	ND	0.3	mg/L	Pass
Lead	0.0005	0.0015	0.005	mg/L	Pass
Magnesium	0.02	ND		mg/L	
Manganese	0.001	ND	0.05	mg/L	Pass
Mercury	0.0002	ND	0.002	mg/L	Pass
Nickel	0.0005	ND	0.1	mg/L	Pass
Nitrogen, Nitrate	0.01	0.01	10	mg/L N	Pass
Nitrogen, Nitrite	0.004	ND	1	mg/L N	Pass
Total Nitrate + Nitrite-Nitrogen	0.01	0.01	10	mg/L	Pass
Potassium	0.5	ND		mg/L	
Selenium	0.001	ND	0.05	mg/L	Pass
Silver	0.001	ND	0.1	mg/L	Pass
Sodium	0.2	0.6		mg/L	
Sulfate as SO4	0.5	ND	250	mg/L	Pass
MBAS, calc. as LAS Mol.Wt. 320	0.2	ND		mg/L	
Thallium	0.0002	ND	0.002	mg/L	Pass
Zinc	0.01	ND	5	mg/L	Pass
Organic Chemicals					
Diquat (Ref: EPA 549.2)					
Diquat	0.4	ND	20	ug/L	Pass
Endothall (Ref: EPA 548.1) - (ug/L)					
Endothall	20	ND	100	ug/L	Pass
Glyphosate (Ref: EPA 547)					
Glyphosate	6	ND	700	ug/L	Pass
2,3,7,8-TCDD (Ref: EPA 1613B)					
2,3,7,8-Tetrachlorodibenzo-p-dioxin	5	ND	30	pg/L	Pass
Carbamate Pesticides (Ref: 531.2)					
Aldicarb sulfoxide	0.5	ND		ug/L	
Aldicarb sulfone	0.5	ND		ug/L	
Oxamyl	0.5	ND	200	ug/L	Pass
Aldicarb	0.5	ND		ug/L	
Carbofuran	0.5	ND	40	ug/L	Pass
Methomyl	0.5	ND		ug/L	
Carbaryl	0.5	ND		ug/L	
3-Hydroxycarbofuran	0.5	ND		ug/L	
Semivolatile Organic Compounds (Ref: EPA 525.2)					
Hexachlorocyclopentadiene	0.1	ND	50	ug/L	Pass
EPTC	0.5	ND		ug/L	
Dimethylphthalate	2	ND		ug/L	

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Testing Parameter	Reporting Limit	Result	FDA SOQ	Units	P / F
Organic Chemicals					
Trichloroethylene	0.5	ND	5	ug/L	Pass
1,2-Dichloropropane	0.5	ND	5	ug/L	Pass
Bromodichloromethane	0.5	ND		ug/L	
Dibromomethane	0.5	ND		ug/L	
cis-1,3-Dichloropropene	0.5	ND		ug/L	
trans-1,3-Dichloropropene	0.5	ND		ug/L	
1,1,2-Trichloroethane	0.5	ND	5	ug/L	Pass
1,3-Dichloropropane	0.5	ND		ug/L	
Tetrachloroethylene	0.5	ND	5	ug/L	Pass
Chlorodibromomethane	0.5	ND		ug/L	
Chlorobenzene	0.5	ND	100	ug/L	Pass
1,1,1,2-Tetrachloroethane	0.5	ND		ug/L	
Bromoform	0.5	ND		ug/L	
1,1,1,2,2-Tetrachloroethane	0.5	ND		ug/L	
1,2,3-Trichloropropane	0.5	ND		ug/L	
1,3-Dichlorobenzene	0.5	ND		ug/L	
1,4-Dichlorobenzene	0.5	ND	75	ug/L	Pass
1,2-Dichlorobenzene	0.5	ND	600	ug/L	Pass
Methyl-tert-Butyl Ether (MTBE)	0.5	ND		ug/L	
Methyl Ethyl Ketone	5	ND		ug/L	
Toluene	0.5	ND	1000	ug/L	Pass
Ethyl Benzene	0.5	ND	700	ug/L	Pass
m+p-Xylenes	1	ND		ug/L	
o-Xylene	0.5	ND		ug/L	
Styrene	0.5	ND	100	ug/L	Pass
Isopropylbenzene (Cumene)	0.5	ND		ug/L	
n-Propylbenzene	0.5	ND		ug/L	
Bromobenzene	0.5	ND		ug/L	
2-Chlorotoluene	0.5	ND		ug/L	
4-Chlorotoluene	0.5	ND		ug/L	
1,3,5-Trimethylbenzene	0.5	ND		ug/L	
tert-Butylbenzene	0.5	ND		ug/L	
1,2,4-Trimethylbenzene	0.5	ND		ug/L	
sec-Butylbenzene	0.5	ND		ug/L	
p-Isopropyltoluene (Cymene)	0.5	ND		ug/L	
1,2,3-Trimethylbenzene	0.5	ND		ug/L	
n-Butylbenzene	0.5	ND		ug/L	
1,2,4-Trichlorobenzene	0.5	ND	70	ug/L	Pass
Hexachlorobutadiene	0.5	ND		ug/L	
1,2,3-Trichlorobenzene	0.5	ND		ug/L	
Naphthalene	0.5	ND		ug/L	
Benzene	0.5	ND	5	ug/L	Pass
Total Trihalomethanes	0.5	ND	80	ug/L	Pass
Total Xylenes	0.5	ND	10000	ug/L	Pass
Chlorinated Pesticides and Organohalides by EPA 508.1					
Toxaphene	0.1	ND	3	ug/L	Pass
Chlordane	0.1	ND	2	ug/L	Pass
PCB 1016	0.08	ND	0.5	ug/L	Pass
PCB 1221	0.1	ND	0.5	ug/L	Pass



<<Additional Information>>

Sample Id: S-0002169025

Test Parameter	Date Analyzed	Time Analyzed	Date Prepared/ Processed
Physical Quality			
Alkalinity (Ref: SM 2320-B)	30-OCT-2024		
Test Notes			
For alkalinity greater than or equal to 20mg CaCO3/L, the pH endpoint is 4.5.			
Color (Ref: SM 2120-B)	24-OCT-2024	14:00	
Specific Conductance at 25°C (Ref: EPA 120.1)	24-OCT-2024		
Corrosivity (Ref: SM 2330-B)			
Test Notes			
The corrosivity calculation uses half of the reporting limit for any calcium and/or bicarbonate/alkalinity value that has a result of less than the reporting limit.			
Hardness, Total (Ref: EPA 200.7)			
Solids, Total Dissolved (Ref: SM 2540-C)	24-OCT-2024		
Turbidity (Ref: EPA 180.1)	24-OCT-2024	14:00	
pH (Ref: SM4500-HB)	24-OCT-2024	13:15	
Odor, Threshold Number (Ref. Standard Methods 2150 B)	24-OCT-2024	13:50	
Bicarbonate (Ref: SM 2320-B)			
Disinfection Residuals/Disinfection By-Products			
Bromate (Ref: EPA 300.1)	31-OCT-2024		
Chloramines (Ref: SM 4500-Cl-G)	24-OCT-2024	15:16	
Chlorite (Ref: EPA 300.1)	31-OCT-2024		
Chlorine Dioxide (Ref: SM 4500-ClO2-D)	24-OCT-2024	15:16	
Haloacetic Acids (Ref: EPA 552.2)	5-NOV-2024		4-NOV-2024
Chlorine, Total Residual (ref. SM 4500CL-G)	24-OCT-2024	15:16	
Radiologicals			
Uranium in Drinking Water by ICPMS (Ref: EPA 200.8)	1-NOV-2024		
Gross Alpha and Beta Radioactivity in Drinking Water (Ref: EPA 900.0)	7-NOV-2024		
Inorganic Chemicals			
Aluminum (Ref: EPA 200.8)	1-NOV-2024		
Antimony in Drinking Water by ICPMS (Ref: EPA 200.8)	1-NOV-2024		
Arsenic in Drinking Water by ICPMS (Ref: EPA 200.8)	1-NOV-2024		
Barium in Drinking Water by ICPMS (Ref: EPA 200.8)	1-NOV-2024		
Beryllium in Drinking Water by ICPMS (Ref: EPA 200.8)	1-NOV-2024		
Bromide (Ref: EPA 300.1)	31-OCT-2024		
Cadmium in Drinking Water by ICPMS (Ref: EPA 200.8)	1-NOV-2024		
Calcium in Drinking Water by ICPAES (Ref: EPA 200.7)	1-NOV-2024		
Chloride (Ref: EPA 300.0)	24-OCT-2024		
Chromium in Drinking Water by ICPMS (Ref: EPA 200.8)	1-NOV-2024		



<<Additional Information>>

Sample Id: S-0002169025

Test Parameter	Date Analyzed	Time Analyzed	Date Prepared/ Processed
Miscellaneous			
#2 *Phenolics, Total Recoverable (EPA 420.4) National Testing Laboratories, Ltd.	6-NOV-2024	00:00	
*Source Water BQ Receipt Test Code			



Testing Laboratories:

	Flag	Id	Address
All work performed at: (Unless otherwise specified)		NSF_AA	NSF 789 N. Dixboro Road Ann Arbor MI 48105
	#2	GENENG	GEL Laboratories LLC 2040 Savage Road Charleston, SC 29407 NELAP PA certificate number 68-000485 Arizona License #AZ0668 NY Lic. # 11501 MI Lic. # 9976
	#1	NTL	National Testing Laboratories, LTD. 556 S. Mansfield Ypsilanti, MI 48197 USA NY Lic. # 11467

References to Testing Procedures:

NSF Reference	Parameter / Test Description
C0104	* Radium-226, Radium-228 Combined Activity - General Engineering
C0842	Gross Alpha and Beta Radioactivity in Drinking Water (Ref: EPA 900.0)
C1188	Odor, Threshold Number (Ref. Standard Methods 2150 B)
C1295	Silver in Drinking Water by ICPMS (Ref: EPA 200.8) for BQ
C1302	* Herbicides (Ref: EPA 515.4)
C1361	Bicarbonate (Ref: SM 2320-B)
C1565	*Phenolics, Total Recoverable (EPA 420.4) National Testing Laboratories, Ltd.
C2015	2,3,7,8-TCDD (Ref: EPA 1613B)
C3013	Chloride (Ref: EPA 300.0)
C3014	Bromide (Ref: EPA 300.1)
C3015	Bromate (Ref: EPA 300.1)
C3016	Nitrogen, Nitrate (Ref: EPA 300.0)
C3017	Nitrogen, Nitrite (Ref: EPA 300.0)
C3018	Sulfate as SO4 (Ref: EPA 300.0)
C3019	Cyanide, Total (Ref: EPA 335.4)
C3025	Chlorite (Ref: EPA 300.1)
C3033	Aluminum (Ref: EPA 200.8)
C3036	Arsenic in Drinking Water by ICPMS (Ref: EPA 200.8)
C3039	Barium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3042	Beryllium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3044	Calcium in Drinking Water by ICPAES (Ref: EPA 200.7)
C3047	Cadmium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3053	Chromium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3059	Copper in Drinking Water by ICPMS (Ref: EPA 200.8)
C3064	Iron in Drinking Water by ICPAES (Ref: EPA 200.7)
C3072	Mercury in Drinking Water by ICPMS (Ref: EPA 200.8)
C3079	Potassium by ICPAES (Ref: EPA 200.7)
C3085	Magnesium in Drinking Water by ICPAES (Ref: EPA 200.7)
C3086	Manganese in Drinking Water by ICPMS (Ref: EPA 200.8)
C3091	Sodium in Drinking Water by ICPAES (Ref: EPA 200.7)
C3094	Nickel in Drinking Water by ICPMS (Ref: EPA 200.8)
C3101	Lead in Drinking Water by ICPMS (Ref: EPA 200.8)
C3114	Antimony in Drinking Water by ICPMS (Ref: EPA 200.8)
C3116	Selenium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3128	Thallium in Drinking Water by ICPMS (Ref: EPA 200.8)
C3136	Zinc in Drinking Water by ICPMS (Ref: EPA 200.8)
C3144	Solids, Total Dissolved (Ref: SM 2540-C)

- in 21 CFR Part 165.110. These levels are based on the annual average of maximum daily air temperatures at the location where the bottled water is sold at retail. Please refer to the most current edition of the regulation to determine the Fluoride maximum level that pertains to your product.
- 2) A blank on the FDA SOQ column indicates that no maximum level has been established by the FDA for that contaminant.
 - 3) An ND result means that the contaminant was not detected at or above the reporting limit.

For a list of NSF Method Detection Limits refer to

https://d2evkimvhatqav.cloudfront.net/documents/external/minimum_detection_level_spreadsheet.pdf