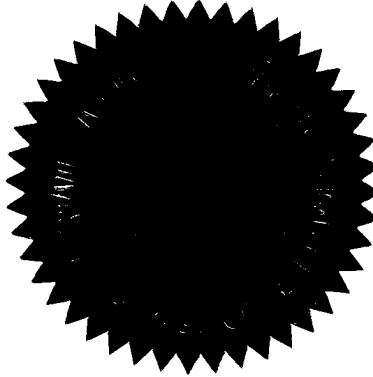


*North Carolina*  
*Department of Health and Human Services*  
*Laboratory Certification*



*In accordance with the provisions of regulations 10A NCAC 42D 0.200  
certification for the analysis of drinking water has been granted to*

**Element One, Inc.**  
Laboratory Number 37788

*For the following analyte group(s)*

**Microbiology, Inorganic Chemicals**

*(Refer to recent status sheet)*

July 1, 2011

*Issue date*

July 31, 2012

*Expiration date*

*Jeffrey P. Engel, M.D.*  
*State Health Director*

*Leslie Wolf, PhD*  
*Director, State Laboratory*

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*Chris Goforth*  
*Drinking Water Certification*

*This laboratory has met the minimum requirements for the certification to analyze drinking water.  
This certificate does not guarantee accurate results.*

*North Carolina Department of Health and Human Services  
State Laboratory of Public Health*

ELEMENT ONE, INC.

*Lab Number* 37788

*Effective Date:*

July 15, 2011

*North Carolina Drinking Water Certification Status Sheet :*

Analyte Code (UR = Unregulated)		Method Code	Method
	<b>Coliforms</b>		
3100	Coliform	9223B	Colilert/Colilert18
3014	E. coli	9223B	Colilert/Colilert18
	<b>HPC</b>		
3001	Heterotrophic Bacteria (HPC)	9215B	Pour Plate
	<b>Metals</b>		
1074	Antimony	200.8	Inductively Coupled Plasma/MS
1005	Arsenic	200.8	Inductively Coupled Plasma/MS
1010	Barium	200.8	Inductively Coupled Plasma/MS
1075	Beryllium	200.8	Inductively Coupled Plasma/MS
1015	Cadmium	200.8	Inductively Coupled Plasma/MS
1016	Calcium (UR)	200.7	Inductively Coupled Plasma
1020	Chromium	200.8	Inductively Coupled Plasma/MS
1022	Copper	200.8	Inductively Coupled Plasma/MS
1028	Iron	200.8	Inductively Coupled Plasma/MS
1030	Lead	200.8	Inductively Coupled Plasma/MS
1032	Manganese	200.8	Inductively Coupled Plasma/MS
1035	Mercury	245.1	Manual Cold Vapor
1036	Nickel	200.8	Inductively Coupled Plasma/MS
1045	Selenium	200.8	Inductively Coupled Plasma/MS
1049	Silica (UR)	4500SIO2-D	Heteropolyblue (20, 21 eds)
1050	Silver (UR)	200.8	Inductively Coupled Plasma/MS
1052	Sodium	D6919-03	Ion Chromatography (ASTM)
1085	Thallium	200.8	Inductively Coupled Plasma/MS
1095	Zinc (UR)	200.8	Inductively Coupled Plasma/MS

*North Carolina Department of Health and Human Services  
State Laboratory of Public Health*

ELEMENT ONE, INC.

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*Effective Date:*

**July 15, 2011**

<b>General Chemistrv</b>			
1068	Acidity (UR)	2310B	Titration
1927	Alkalinity	2320B	Titrimetric
1011	Bromate	300.1	Ion Chromatography
1004	Bromide	300.0	Ion Chromatography
1919	Calcium Hardness (as CaCO <sub>3</sub> )	3500CA-B	EDTA Titration (SM 20, 21 eds)
1017	Chloride (UR)	300.0	Ion Chromatography
1009	Chlorite	300.1	Ion Chromatography
1905	Color (UR)	2120B	Visual - Color
1064	Conductivity (UR)	2510B	Conductance @ 25 C
1024	Cyanide	4500CN-E	Spectrophotometric, manual
1025	Fluoride	4500F-C	Ion Selective Electrode
1025	Fluoride	300.0	Ion Chromatography
1915	Hardness, Total (CaCO <sub>3</sub> )	2340C	Titration
1040	Nitrate	300.0	Ion Chromatography
1040	Nitrate	4500NO <sub>3</sub> -E	Cadmium reduction, manual
1041	Nitrite	4500NO <sub>2</sub> -B	Spectrophotometric
1041	Nitrite	300.0	Ion Chromatography
1044	Orthophosphate (UR)	300.0	Ion Chromatography
1925	pH Units (UR)	4500H-B	Electrometric
1055	Sulfate	300.0	Ion Chromatography
1930	TDS-Total Dissolved Solids	2540C	Gravimetric
2920	Total Organic Carbon (TOC)	5310B	High Temperature Combustion
0100	Turbidity (UR)	2130B	Nephelometric