



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

MICROBAC LABORATORIES
South Carolina Division
603 South Main Street
New Ellenton, SC 29809
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ENVIRONMENTAL

Valid To: January 31, 2014

Certificate Number: 1814.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the laboratory's compliance with the 2009 NELAC Standard) and the Georgia Environmental Protection Division's Rules for Commercial Environmental Laboratories, accreditation is granted to this laboratory to perform recognized EPA methods using the following testing technologies and in the analyte categories identified below:

Testing Technologies

BOD, Gravimetry, Misc.- Electronic Probes (pH, O₂, F⁻), Microbiology, Chemical Oxygen Demand, Hazardous Waste Characteristics Tests, Spectrophotometry (Visible), Titrimetry, Turbidity

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>
<u>Nutrients</u>		
Ammonia (as N)	-----	SM 4500 NH ₃ D
Kjeldahl nitrogen	-----	SM 4500 NH ₃ D
Nitrate (as N)	SM 4500 NO ₃ E	SM 4500 NO ₃ E
Nitrate-nitrite (as N)	SM 4500 NO ₃ E	SM 4500 NO ₃ E
Nitrite (as N)	SM 4500 NO ₂ B	SM 4500 NO ₂ B
Orthophosphate (as P)	SM 4500 P E	SM 4500 PE
Total phosphorus	-----	SM 4500 PE
<u>Demands</u>		
Biochemical oxygen demand	-----	SM 5210B
Chemical oxygen demand	-----	EPA 410.4
<u>Wet Chemistry</u>		
Alkalinity	SM 2320B	SM 2320B
Chloride	-----	SM 4500-Cl B
Chlorine (residual)	SM 4500-Cl G	SM 4500-Cl G
pH	SM 4500-H+ B	SM 4500-H+ B
Oil and grease	-----	EPA 1664B
Total residue	-----	SM 2540B
Filterable residue	-----	SM2540C
Nonfilterable residue	-----	SM 2540D

<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>
<u>Wet Chemistry</u>		
Specific conductance	SM 2510B	SM 2510B
Temperature	SM 2550B	SM 2550B
<u>Microbiology</u>		
Fecal coliform	-----	SM 9221 CE
Total coliform	SM 9222B	SM 9222B
Heterotrophic Plate Count (HPC)	SM 9215B	SM 9215B



World Class Accreditation

The American Association for Laboratory Accreditation

Accredited Laboratory

A2LA has accredited

MICROBAC LABORATORIES, SOUTH CAROLINA DIVISION

New Ellenton, SC

for technical competence in the field of

Environmental Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).

Presented this 25th day of April 2012.





President & CEO
For the Accreditation Council
Certificate Number 1814.01
Valid to January 31, 2014

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Environmental Scope of Accreditation.