



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 18 June 2005*).

Presented this 30th day of April 2008.



Peter Almyer

President

For the Accreditation Council
Certificate Number 1814.01
Valid to January 31, 2010

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



American Association for Laboratory Accreditation

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

MICROBAC LABORATORIES

South Carolina Division
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New Ellenton, SC 29809
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ENVIRONMENTAL

Valid To: January 31, 2010

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 2003 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

Parameter/Analyte	Potable Water	Nonpotable Water	Solid Hazardous Waste	
			Aqueous	Solid
Nutrients				
Ammonia (as N)	-----	EPA 350.3		-----
Kjeldahl nitrogen	-----	EPA 351.3		-----
Nitrate (as N)	SM 4500 NO3 E	SM 4500 NO3 E		-----
Nitrate-nitrite (as N)	SM 4500 NO3 E	SM 4500 NO3 E		-----
Nitrite (as N)	SM 4500 NO2 B	SM 4500 NO2 B		-----
Orthophosphate (as P)	SM 4500 P E	EPA 365.2		-----
Total phosphorus	-----	EPA 365.2		-----
Demands				
Biochemical oxygen demand	-----	EPA 405.1		-----
Chemical oxygen demand	-----	EPA 410.4		-----
Wet Chemistry				
Alkalinity	SM 2320B	EPA 310.1		-----
Chloride	-----	SM 4500-Cl B		-----
Chlorine (residual)	SM 4500-Cl G	EPA 330.5		-----
Cyanide	-----	EPA 335.2		-----
pH	SM 4500-H+ B	EPA 150.1		-----
Oil and Grease	-----	EPA 1664A		-----
Phenols	-----	EPA 420.1		-----
Total residue	-----	EPA 160.3		-----
Filterable residue	SM 2540C	EPA 160.1		-----



<u>Parameter/Analyte</u>	<u>Potable Water</u>	<u>Nonpotable Water</u>	<u>Solid Hazardous Waste</u>	
			<u>Aqueous</u>	<u>Solid</u>
<u>Wet Chemistry</u>				
Nonfilterable residue	-----	EPA 160.2		-----
Specific conductance	SM 2510B	EPA 120.1		-----
Temperature	SM 2550	EPA 170.1		-----
<u>Microbiology</u>				
Fecal coliform	-----	SM 9221 CE		-----
Total coliform	SM 9222B SM 9223B	SM 9222B SM 9223B		-----
Heterotrophic Plate Count (HPC)	SM 9215B	SM 9215B		-----