



South Carolina Department of
Health and Environmental Control

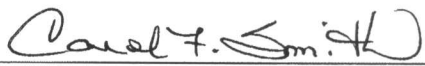
Environmental Laboratory Certification Program

In accordance with the provisions of Regulation 61 - 81, entitled
"State Environmental Laboratory Certification Regulation"

MICROBAC LABORATORIES SC DIV
603 S MAIN ST
NEW ELLENTON, SOUTH CAROLINA 29809

is hereby certified to perform analyses as documented on the attached parameter list(s). This certification does not guarantee validity of data generated, but indicates the laboratory's adherence to prescribed methodology, quality control, records keeping, and reporting procedures. This certificate is the property of S.C. DHEC and must be surrendered upon demand. This certificate is non-transferable and is valid only for the parameters and methodology listed on the attached parameter list(s).

Laboratory Director: JONATHAN D WHEELER
Certifying Authority: SC
Date of Issue: January 19, 2011
Date of Expiration: December 01, 2013
Certificate Number: 02002001



Director
Office of Environmental Laboratory Certification

**SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM
INTERIM APPROVAL**

MICROBAC LABORATORIES SC DIV (Laboratory ID 02002)
Laboratory Director: JONATHAN D WHEELER
Certifying Authority: SC
Certificate Number: 02002001

Date of Issue: February 02, 2011
Expiration Date: December 01, 2013

STATUS

CLEAN WATER ACT

INORGANIC - DEMAND

BIOCHEMICAL OXYGEN DEMAND(BOD)	SM 5210B (20TH)	C
CHEMICAL OXYGEN DEMAND (COD)	EPA 410.4 (1993)	C
DISSOLVED OXYGEN	SM 4500OG (20TH)	C

INORGANIC - MINERAL

ALKALINITY	SM 2320B (20TH)	C
CHLORIDE	SM 4500CL-B (20TH)	C
HYDROGEN-ION CONC. (PH)	SM 4500HB (20TH)	C
SPECIFIC CONDUCTANCE	SM 2510B (20TH)	C

INORGANIC - MISCELLANEOUS

OIL & GREASE	EPA 1664A	C
RESIDUAL CHLORINE	SM 4500CLG (20TH)	C
SULFIDE	SM 4500S2F (20TH)	C
TEMPERATURE	SM 2550B (20TH)	C

INORGANIC - NUTRIENT

AMMONIA-NITROGEN	SM 4500NH3D (20TH)	C
KJELDAHL-NITROGEN	SM 4500NH3D (20TH)	C
NITRATE-NITRITE (N02&N03)	SM 4500NO3E (20TH)	C
NITRATE-NITROGEN	NO3-NO2 MINUS NO2	C
NITRITE-NITROGEN	SM 4500NO2B (20TH)	C
ORTHOPHOSPHATE	SM 4500PE (20TH)	C
PHOSPHORUS	SM 4500PE (20TH)	C

INORGANIC - RESIDUE

RESIDUE, FILTERABLE (TDS)	SM 2540C (20TH)	C
RESIDUE, NONFILTERABLE (TSS)	SM 2540D (20TH)	C
RESIDUE, TOTAL (TS)	SM 2540B (20TH)	C

INORGANIC - TRACE METAL

CHROMIUM, HEXAVALENT	SM 3500CRB (20TH)	C
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MICROBIOLOGY

FECAL COLIFORM (MPN)	SM 9221C E (20TH)	C
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STATUS

SAFE DRINKING WATER ACT

INORGANIC - MINERAL

ALKALINITY	SM 2320B (20TH)	C
HYDROGEN-ION CONC. (PH)	SM 4500HB (20TH)	C
SPECIFIC CONDUCTANCE	SM 2510B (18TH)	C

INORGANIC - MISCELLANEOUS

RESIDUAL CHLORINE	SM 4500CLG (20TH)	C
TEMPERATURE	SM 2550B (20TH)	C

INORGANIC - NUTRIENT

NITRATE-NITROGEN	SM 4500NO3E (20TH)	C
NITRITE-NITROGEN	SM 4500NO2B (20TH)	C
ORTHOPHOSPHATE	SM 4500PE (20TH)	C

MICROBIOLOGY

FECAL COLIFORM CONFIRMATION-EC TEST	SM 9221C E (20TH)	C
HETEROTROPHIC BACTERIA	SM 9215B (20TH)	C
TOTAL COLIFORM (MF)	SM 9222B (20TH)	C

SOLID & HAZARDOUS WASTES

INORGANIC - MINERAL

CHLORIDE	EPA 9253	C
HYDROGEN-ION CONC. (PH)	EPA 9040C	C
SPECIFIC CONDUCTANCE	EPA 9050A	C

MICROBIOLOGY

FECAL COLIFORM (MPN)	SM 9221C E (20TH)	A
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