

Healthy People. Healthy Communities.
S.C. Department of Health and
Environmental Control

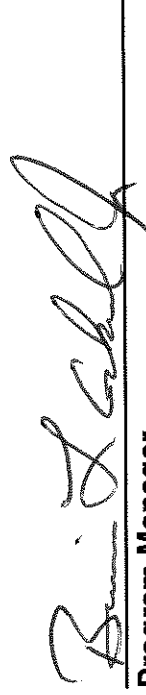
Environmental Laboratory Certification Program

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

**ACZ LABORATORIES INC
2773 DOWNHILL DR
STEAMBOAT SPRINGS, COLORADO 80487-5051**

is hereby certified to perform analyses as documented on the attached parameter list(s). This certification does not guarantee validity of the 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: **BRETT DALKE**
Certifying Authority: **UT**
Date of Issue: **March 05, 2020**
Date of Expiration: **July 31, 2020**
Certificate Number: **72011001**


Program Manager

Office of Environmental Laboratory Certification

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

ACZ LABORATORIES INC (Laboratory ID 72011)
Laboratory Director: BRETT DALKE
Certifying Authority: UT
Certificate Number: 72011001

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CLEAN WATER ACT

INORGANIC - MINERAL

ACIDITY
 ALKALINITY
 CHLORIDE
 FLUORIDE
 HARDNESS, TOTAL (AS CaCO₃)
 HYDROGEN-ION CONC. (PH)
 SPECIFIC CONDUCTANCE
 SULFATE

SM 2310 B-2011
 SM 2320 B-2011
 SM 4500-CL- E-2011
 SM 4500-F C-2011
 SM 2340 B-2011
 SM 4500-H B-2011
 SM 2510 B-2011
 ASTM D516-11

ELECTROMETRIC OR PHENOLPHTHALEIN ENDPOINT
 TITRIMETRIC
 COLORIMETRIC AUTOMATED (FERRICYANIDE AA)
 ELECTRODE (MANUAL)
 CALCULATIONS
 ELECTROMETRIC MEASUREMENT
 CONDUCTANCE AT 25 DEGREES C
 TURBIDIMETRIC

INORGANIC - MISCELLANEOUS

CYANIDE, FREE
 CYANIDE, TOTAL
 OIL & GREASE
 SULFIDE
 TURBIDITY

OIA-1677-09
 ASTM D7511-12
 EPA 1664B (2010)
 SM 4500-S2 D-2011
 EPA 180.1 (1993)

FLOW INJECTION, LIGAND EXCHANGE AND AMPEROMETRY
 FLOW IN/UV DIG GAS DIFF AMPEROMETRY
 OIL & GREASE - HEM/SGT-HEM
 COLORIMETRIC (METHYLENE BLUE)
 NEPHELOMETRIC

INORGANIC - NUTRIENT

AMMONIA-NITROGEN
 KJELDAHL-NITROGEN
 NITRATE-NITRITE (NO₂&NO₃)
 NITRATE-NITROGEN
 NITRITE-NITROGEN
 ORTHOPHOSPHATE
 PHOSPHORUS

EPA 350.1 (1993)
 EPA 351.2 (1993)
 EPA 353.2 (1993)
 NO₃-NO₂ MINUS NO₂
 EPA 353.2 (1993)
 EPA 365.1 (1993)
 EPA 365.1 (1993)

MANUAL DISTILLATION WITH AUTOMATED PHENATE
 SEMI-AUTOMATED BLOCK DIGESTER COLORIMETRIC
 CADMIUM REDUCTION (AUTOMATED)
 NITRATE-NITRITE MINUS NITRITE-NITROGEN
 CADMIUM REDUCTION (AUTOMATED)
 ASCORBIC ACID (AUTOMATED)
 ASCORBIC ACID (AUTOMATED)

INORGANIC - RESIDUE

RESIDUE, FILTERABLE (TDS)
 RESIDUE, NONFILTERABLE (TSS)

SM 2540 C-2011
 SM 2540 D-2011

GRAVIMETRIC (180)
 GRAVIMETRIC 103-105

INORGANIC - TRACE METAL

ALUMINUM
 ANTIMONY
 ARSENIC
 BARIUM
 BORON
 CADMIUM

EPA 200.7 (1994)
 EPA 200.8 (1994)
 EPA 200.8 (1994)
 EPA 200.7 (1994)
 EPA 200.7 (1994)
 EPA 200.8 (1994)

ICP/AES
 ICP/MS
 ICP/MS
 ICP/AES
 ICP/AES
 ICP/MS

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SOLID & HAZARDOUS WASTES

INORGANIC - TRACE METAL

BORON	EPA 6010D (2018)	ICP/AES
CADMIUM	EPA 6020B (2014)	ICP/MS
CALCIUM	EPA 6010D (2018)	ICP/AES
CHROMIUM	EPA 6010D (2018)	ICP/AES
COBALT	EPA 6010D (2018)	ICP/AES
COPPER	EPA 6010D (2018)	ICP/AES
IRON	EPA 6010D (2018)	ICP/AES
LEAD	EPA 6010D (2018)	ICP/AES
LEAD	EPA 6020B (2014)	ICP/MS
MAGNESIUM	EPA 6010D (2018)	ICP/AES
MANGANESE	EPA 6010D (2018)	ICP/AES
NICKEL	EPA 6010D (2018)	ICP/AES
PHOSPHORUS	EPA 6010D (2018)	ICP/AES
POTASSIUM	EPA 6010D (2018)	ICP/AES
SELENIUM	EPA 6020B (2014)	ICP/MS
SILICA, TOTAL	EPA 6010D (2018)	ICP/AES
SODIUM	EPA 6010D (2018)	ICP/AES
THALLIUM	EPA 6020B (2014)	ICP/MS
ZINC	EPA 6010D (2018)	ICP/AES