



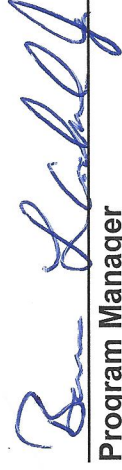
Environmental Laboratory Certification Program

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: JARED M SOWARDS
Certifying Authority: UT
Date of Issue: December 09, 2022
Date of Expiration: July 31, 2023
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: JARED M SOWARDS
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 AAI)
 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-2015
 SM 2540 D-2015

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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CLEAN WATER ACT

INORGANIC - TRACE METAL

CALCIUM	EPA 200.7 (1994)	ICP/AES
CHROMIUM	EPA 200.7 (1994)	ICP/AES
CHROMIUM, HEXAVALENT	SM 3500-CR B-2011	COLORIMETRIC (DIPHENYLCARBAZIDE)
COBALT	EPA 200.7 (1994)	ICP/AES
COPPER	EPA 200.7 (1994)	ICP/AES
IRON	EPA 200.7 (1994)	ICP/AES
LEAD	EPA 200.7 (1994)	ICP/AES
LEAD	EPA 200.8 (1994)	ICP/MS
MAGNESIUM	EPA 200.7 (1994)	ICP/AES
MANGANESE	EPA 200.7 (1994)	ICP/AES
MERCURY	EPA 1631E (2002)	PURGE AND TRAP CVAFS
MERCURY	EPA 245.1 (1994)	COLD VAPOR (MANUAL)
NICKEL	EPA 200.7 (1994)	ICP/AES
POTASSIUM	EPA 200.7 (1994)	ICP/AES
SELENIUM	EPA 200.8 (1994)	ICP/MS
SILICA, DISSOLVED	EPA 200.7 (1994)	ICP/AES
SODIUM	EPA 200.7 (1994)	ICP/AES
THALLIUM	EPA 200.8 (1994)	ICP/MS
ZINC	EPA 200.7 (1994)	ICP/AES

SOLID & HAZARDOUS WASTES

INORGANIC - HAZARDOUS WASTE CHARACTERISTICS

IGNITABILITY	EPA 1010B (2018)	PENSKY-MARTENS CLOSED-CUP
SPLP - BOTTLE EXTRACTION	EPA 1312 (1994)	SYNTHETIC PRECIPITATION LEACHING PROCEDURE
TCLP - BOTTLE EXTRACTION	EPA 1311 (1992)	TOXICITY CHARACTERISTIC LEACHING PROCEDURE

INORGANIC - MINERAL

HYDROGEN-ION CONC. (PH)	EPA 9040C (2004)	ELECTROMETRIC
HYDROGEN-ION CONC. (PH)	EPA 9045D (2004)	SOIL AND WASTE

INORGANIC - TRACE METAL

ALUMINIUM	EPA 6010D (2018)	ICP/AES
ANTIMONY	EPA 6020B (2014)	ICP/MS
ARSENIC	EPA 6020B (2014)	ICP/MS
BARIUM	EPA 6010D (2018)	ICP/AES
BORON	EPA 6010D (2018)	ICP/AES

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SOLID & HAZARDOUS WASTES

INORGANIC - TRACE METAL

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