



dhec

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

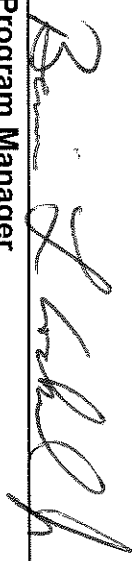
Environmental Laboratory Certification Program

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: JARED M SOWARDS
Certifying Authority: UT
Date of Issue: November 03, 2021
Date of Expiration: July 31, 2022
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

*Date of Issue: November 03, 2021
Expiration Date: July 31, 2022*

CLEAN WATER ACT

INORGANIC - MINERAL

ACIDITY	SM 2310 B-2011	ELECTROMETRIC OR PHENOLPHTHALEIN ENDPOINT
ALKALINITY	SM 2320 B-2011	TITRIMETRIC
CHLORIDE	SM 4500-CL-E-2011	COLORIMETRIC AUTOMATED (FERRICYANIDE AA)
FLUORIDE	SM 4500-F-C-2011	ELECTRODE (MANUAL)
HARDNESS, TOTAL (AS CaCO3)	SM 2340 B-2011	CALCULATIONS
HYDROGEN-ION CONC. (PH)	SM 4500-H-B-2011	ELECTROMETRIC MEASUREMENT
SPECIFIC CONDUCTANCE	SM 2510 B-2011	CONDUCTANCE AT 25 DEGREES C
SULFATE	ASTM D516-11	TURBIDIMETRIC

INORGANIC - MISCELLANEOUS

CYANIDE, FREE	OIA-1677-09	FLOW INJECTION, LIGAND EXCHANGE AND AMPEROMETRY
CYANIDE, TOTAL	ASTM D7511-12	FLOW IN/UV DIG GAS DIFF AMPEROMETRY
OIL & GREASE	EPA 1664B (2010)	OIL & GREASE - HEM/SGT-HEM
SULFIDE	SM 4500-S2 D-2011	COLORIMETRIC (METHYLENE BLUE)
TURBIDITY	EPA 180.1 (1993)	NEPHELOMETRIC

INORGANIC - NUTRIENT

AMMONIA-NITROGEN	EPA 350.1 (1993)	MANUAL DISTILLATION WITH AUTOMATED PHENATE
KJELDAHL-NITROGEN	EPA 351.2 (1993)	SEMI-AUTOMATED BLOCK DIGESTER COLORIMETRIC
NITRATE-NITRITE (NO2&NO3)	EPA 353.2 (1993)	CADMIUM REDUCTION (AUTOMATED)
NITRATE-NITROGEN	NO3-NO2 MINUS NO2	NITRATE-NITRITE MINUS NITRITE-NITROGEN
NITRITE-NITROGEN	EPA 353.2 (1993)	CADMIUM REDUCTION (AUTOMATED)
ORTHOPHOSPHATE	EPA 365.1 (1993)	ASCORBIC ACID (AUTOMATED)
PHOSPHORUS	EPA 365.1 (1993)	ASCORBIC ACID (AUTOMATED)

INORGANIC - RESIDUE

RESIDUE, FILTERABLE (TDS)	SM 2540 C-2011	GRAVIMETRIC (180)
RESIDUE, NONFILTERABLE (TSS)	SM 2540 D-2011	GRAVIMETRIC 103-105

INORGANIC - TRACE METAL

ALUMINIUM	EPA 200.7 (1994)	ICP/AES
ANTIMONY	EPA 200.8 (1994)	ICP/MS
ARSENIC	EPA 200.8 (1994)	ICP/MS
BARIUM	EPA 200.7 (1994)	ICP/AES
BORON	EPA 200.7 (1994)	ICP/AES
CADMIUM	EPA 200.8 (1994)	ICP/MS

**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

Date of Issue: November 03, 2021
Expiration Date: July 31, 2022

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 200.8 (1994)	ICP/M/S
LEAD	EPA 200.7 (1994)	ICP/AES
MAGNESIUM	EPA 200.7 (1994)	ICP/AES
MANGANESE	EPA 1631E (2002)	PURGE AND TRAP CVAFS
MERCURY	EPA 245.1 (1994)	COLD VAPOR (MANUAL)
MERCURY	EPA 200.7 (1994)	ICP/AES
NICKEL	EPA 200.7 (1994)	ICP/AES
POTASSIUM	EPA 200.7 (1994)	ICP/M/S
SELENIUM	EPA 200.8 (1994)	ICP/AES
SILICA DISSOLVED	EPA 200.7 (1994)	ICP/AES
SODIUM	EPA 200.8 (1994)	ICP/M/S
THALLIUM	EPA 200.8 (1994)	ICP/AES
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/M/S
ARSENIC	EPA 6020B (2014)	ICP/M/S
BARIUM	EPA 6010D (2018)	ICP/AES
BORON	EPA 6010D (2018)	ICP/AES

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

Date of Issue: November 03, 2021
Expiration Date: July 31, 2022

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 6020B (2014)	ICP/MS
SELENIUM	EPA 6010D (2018)	ICP/AES
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