



State of Kansas

Department of Health and Environment

CERTIFICATE



This is to certify that Certification No.: E-10431

State Hygienic Laboratory at The University of Iowa - Ankeny

2220 S. Ankeny Blvd.
Ankeny, IA 50023-9093

has been accredited in accordance with K.S.A. 65-1,109a under the standards adopted in K.A.R. 28-15-36 for performing environmental analyses for the parameters listed on the most current scope of accreditation. Continuous accreditation depends on successful, ongoing participation in the program. Clients are urged to verify with this agency the laboratory's certification status for particular methods and analytes.

Effective Date: 2/1/2024

Expiration Date: 1/31/2025

Dr. Sameer Sakallah
Lab Director
Office of Laboratory Services

Carissa Robertson
Certification Section Chief
Office of Laboratory Services

Janet Stanek, Secretary

Laura Kelly, Governor

The Kansas Department of Health and Environment encourages all clients and data users to verify the most current scope of accreditation for certification number E-10431

The analytes tested and the corresponding matrix and method which a laboratory is authorized to perform at any given time will be those indicated in the most recently issued scope of accreditation. The most recent scope of accreditation supersedes all previously issued scopes of accreditation. It is the certified laboratory's responsibility to review this document for any discrepancies. This scope of accreditation will be recalled in the event that your laboratory's certification is revoked.

Accreditation Start: 2/1/2024 Accreditation End: 1/31/2025

EPA Number: IA00016

Scope of Accreditation for Certification Number: E-10431

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State Hygienic Laboratory at The University of Iowa - Ankeny

Primary AB

Program/Matrix: CWA (Non Potable Water)

Method EPA 160.4

Residue-volatile

KS

Method EPA 200.2

Metals Sample Prep

KS

Method EPA 200.7 Rev 4.4

Aluminum

KS

Barium

KS

Beryllium

KS

Boron

KS

Cadmium

KS

Calcium

KS

Chromium

KS

Cobalt

KS

Copper

KS

Iron

KS

Lead

KS

Lithium

KS

Magnesium

KS

Manganese

KS

Molybdenum

KS

Nickel

KS

Potassium

KS

Sodium

KS

Strontium

KS

Tin

KS

Titanium

KS

Vanadium

KS

State Hygienic Laboratory at The University of Iowa - Ankeny

Primary AB

Program/Matrix: CWA (Non Potable Water)

Zinc	KS
Method EPA 200.8 Rev 5.4	
Aluminum	KS
Antimony	KS
Arsenic	KS
Barium	KS
Beryllium	KS
Cadmium	KS
Chromium	KS
Cobalt	KS
Copper	KS
Iron	KS
Lead	KS
Manganese	KS
Molybdenum	KS
Nickel	KS
Selenium	KS
Silver	KS
Strontium	KS
Thallium	KS
Tin	KS
Titanium	KS
Uranium (mass)	KS
Vanadium	KS
Zinc	KS
Method EPA 2000.0 - Fathead Minnow Acute Toxicity	
Pimephales promelas	KS
Method EPA 2002.0 - Ceriodaphnia Acute Toxicity	
Ceriodaphnia dubia	KS
Method EPA 245.2	
Mercury	KS
Method EPA 300.0	
Bromide	KS
Chloride	KS
Fluoride	KS
Nitrate as N	KS
Nitrite as N	KS
Sulfate	KS
Method EPA 3010A	
Acid Digestion of Aqueous samples and Extracts for Total Metals	KS
Method EPA 350.1	
Ammonia as N	KS
Method EPA 351.2	
Total Kjeldahl Nitrogen (TKN)	KS
Method EPA 353.2	

State Hygienic Laboratory at The University of Iowa - Ankeny

Primary AB

Program/Matrix: CWA (Non Potable Water)

Nitrate plus Nitrite as N	KS
Method EPA 365.1	
Orthophosphate as P	KS
Method EPA 365.4	
Phosphorus, total	KS
Method EPA 6010D	
Cadmium	KS
Chromium	KS
Copper	KS
Lead	KS
Molybdenum	KS
Nickel	KS
Zinc	KS
Method EPA 6020B	
Aluminum	KS
Arsenic	KS
Cadmium	KS
Chromium	KS
Copper	KS
Iron	KS
Lead	KS
Molybdenum	KS
Nickel	KS
Selenium	KS
Strontium	KS
Tin	KS
Titanium	KS
Zinc	KS
Method EPA 7470	
Mercury	KS
Method SM 2130 B-2011	
Turbidity	KS
Method SM 2320 B-2011	
Alkalinity as CaCO ₃	KS
Method SM 2340 B-2011	
Total hardness as CaCO ₃	KS
Method SM 2340 C-2011	
Total hardness as CaCO ₃	KS
Method SM 2510 B-2011	
Conductivity	KS
Method SM 2540 B-2015	
Residue-total	KS
Method SM 2540 C-2015	
Residue-filterable (TDS)	KS

State Hygienic Laboratory at The University of Iowa - Ankeny

Primary AB

Program/Matrix: CWA (Non Potable Water)

Method SM 2540 F-2015 Residue-settleable	KS
Method SM 4500-Cl G-2011 Total residual chlorine	KS
Method SM 4500-H+ B-2011 pH	KS
Method SM 4500-NO₂⁻ B-2011 Nitrite as N	KS
Method SM 4500-S₂⁻ F-2011 Sulfide	KS
Method SM 4500-SiO₂ C-2011 Silica as SiO ₂	KS
Method SM 5210 B-2016 Biochemical oxygen demand Carbonaceous BOD, CBOD	KS KS
Method SM 5220 D-2011 Chemical oxygen demand	KS
Method SM 5310 B-2014 Total organic carbon	KS
Method SM 9222 D-2015 Fecal coliforms	KS
Method SM 9223 B (Colilert® Quanti-Tray®)-2016 Escherichia coli Total coliforms	KS KS
Method SM 9223 B (Colilert®-18 Quanti-Tray®)-2016 Escherichia coli Total coliforms	KS KS
Method USGS I-3765-85 Residue-nonfilterable (TSS)	KS

State Hygienic Laboratory at The University of Iowa - Ankeny

Primary AB

Program/Matrix: RCRA (Non Potable Water)**Method EPA 350.1**

Ammonia as N

KS

Method EPA 351.2

Total Kjeldahl Nitrogen (TKN)

KS

Method EPA 365.4

Phosphorus, total

KS

Method EPA 6010D

Aluminum

KS

Barium

KS

Beryllium

KS

Boron

KS

Cadmium

KS

Calcium

KS

Chromium

KS

Cobalt

KS

Copper

KS

Iron

KS

Lead

KS

Lithium

KS

Magnesium

KS

Manganese

KS

Molybdenum

KS

Nickel

KS

Potassium

KS

Sodium

KS

Strontium

KS

Tin

KS

Titanium

KS

Vanadium

KS

Zinc

KS

Method EPA 6020B

Aluminum

KS

Antimony

KS

Arsenic

KS

Barium

KS

Beryllium

KS

Cadmium

KS

Chromium

KS

Cobalt

KS

Copper

KS

Iron

KS

Lead

KS

Manganese

KS

Mercury

KS

Molybdenum

KS

Nickel

KS

State Hygienic Laboratory at The University of Iowa - Ankeny

Primary AB

Program/Matrix: *RCRA (Non Potable Water)*

Selenium	KS
Silver	KS
Strontium	KS
Thallium	KS
Tin	KS
Titanium	KS
Uranium (mass)	KS
Vanadium	KS
Zinc	KS

Method EPA 7470

Mercury	KS
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Method SM 4500-SiO2 C-2011

Silica as SiO2	KS
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Kansas Department of Health and Environment
 Kansas Health Environmental Laboratories
 6810 SE Dwight Street, Topeka, KS 66620



State Hygienic Laboratory at The University of Iowa - Ankeny

Primary AB

Program/Matrix: RCRA (Solid & Hazardous Material)**Method EPA 1311**

Toxicity Characteristic Leaching Procedure (TCLP) KS

Method EPA 1312

Synthetic Precipitation Leaching Procedure (SPLP) KS

Method EPA 160.4

Residue-volatile KS

Method EPA 300.0

Bromide KS

Chloride KS

Fluoride KS

Nitrate as N KS

Nitrite as N KS

Orthophosphate as P KS

Sulfate KS

Method EPA 3050B

Acid Digestion of Solids KS

Method EPA 350.1

Ammonia as N KS

Method EPA 351.2

Total Kjeldahl Nitrogen (TKN) KS

Method EPA 365.4

Phosphorus, total KS

Method EPA 6010D

Aluminum KS

Barium KS

Beryllium KS

Boron KS

Cadmium KS

Calcium KS

Chromium KS

Cobalt KS

Copper KS

Iron KS

Lead KS

Lithium KS

Magnesium KS

Manganese KS

Molybdenum KS

Nickel KS

Potassium KS

Sodium KS

Strontium KS

Tin KS

Titanium KS

Vanadium KS

State Hygienic Laboratory at The University of Iowa - Ankeny

Primary AB

Program/Matrix: RCRA (Solid & Hazardous Material)

Zinc	KS
Method EPA 6020B	
Aluminum	KS
Antimony	KS
Arsenic	KS
Barium	KS
Beryllium	KS
Cadmium	KS
Chromium	KS
Cobalt	KS
Copper	KS
Iron	KS
Lead	KS
Manganese	KS
Mercury	KS
Molybdenum	KS
Nickel	KS
Selenium	KS
Silver	KS
Strontium	KS
Thallium	KS
Tin	KS
Titanium	KS
Vanadium	KS
Zinc	KS
Method EPA 7471B	
Mercury	KS
Method EPA 9045D	
pH	KS
Method SM 2540 G-2011	
Total, fixed, and volatile residue	KS

Program/Matrix: SDWA (Potable Water)

Method EPA 200.7 Rev 4.4

Aluminum	KS
Barium	KS
Boron	KS
Calcium	KS
Calcium hardness as CaCO ₃	KS
Chromium	KS
Cobalt	KS
Copper	KS
Iron	KS
Lithium	KS
Magnesium	KS
Manganese	KS
Molybdenum	KS
Nickel	KS
Potassium	KS
Sodium	KS
Strontium	KS
Tin	KS
Titanium	KS
Vanadium	KS
Zinc	KS

Method EPA 200.8 Rev 5.4

Aluminum	KS
Antimony	KS
Arsenic	KS
Barium	KS
Beryllium	KS
Cadmium	KS
Chromium	KS
Cobalt	KS
Copper	KS
Lead	KS
Manganese	KS
Mercury	KS
Molybdenum	KS
Nickel	KS
Selenium	KS
Silver	KS
Strontium	KS
Thallium	KS
Tin	KS
Titanium	KS
Uranium (mass)	KS
Vanadium	KS
Zinc	KS

Program/Matrix: *SDWA (Potable Water)***Method EPA 245.2**

Mercury KS

Method EPA 300.0

Bromide KS

Chlorate KS

Chloride KS

Chlorite KS

Fluoride KS

Nitrate as N KS

Nitrite as N KS

Sulfate KS

Method EPA 300.1

Bromate KS

Bromide KS

Chlorate KS

Chlorite KS

Method EPA 350.1

Ammonia as N KS

Method EPA 365.1

Orthophosphate as P KS

Method SM 2130 B-2011

Turbidity KS

Method SM 2320 B-2011Alkalinity as CaCO₃ KS**Method SM 2340 B-2011**

Hardness KS

Method SM 2340 C-2011

Hardness KS

Method SM 2510 B-2011

Conductivity KS

Method SM 2540 B-2011

Residue-total KS

Method SM 2540 C-2015

Residue-filterable (TDS) KS

Method SM 4500-H+ B-2011

pH KS

Method SM 4500-NO₂⁻ B-2011

Nitrite KS

Method SM 4500-SiO₂ C-2011

Silica-dissolved KS

Method SM 5310 B-2014

Dissolved organic carbon (DOC) KS

Total organic carbon KS

State Hygienic Laboratory at The University of Iowa - Ankeny

Primary AB**Program/Matrix:** *SDWA (Potable Water)***Method SM 9215 B-2016**

Heterotrophic plate count

KS

Method SM 9223 B (Colilert® Quanti-Tray®)-2016

Escherichia coli

KS

Total coliforms

KS

Method SM 9223 B (Colilert®)-2016

Escherichia coli

KS

Total coliforms

KS

Method SM 9223 B (Colilert®-18 Quanti-Tray®)-2016

Escherichia coli

KS

Total coliforms

KS

Method SM 9223 B (Colilert®-18)-2016

Escherichia coli

KS

Total coliforms

KS

Method USGS I-3765-85

Residue-nonfilterable (TSS)

KS

End of Scope of Accreditation