

August 25, 2025

Tianbao Bai, Lab Director
Eurofins CEI - Cary
730 SE Maynard Road
Cary, NC 27511

IA Lab #422
Expires: 11/1/2027

RE: Laboratory Certification

Dear Tianbao Bai:

The Iowa Department of Natural Resources grants Laboratory Certification to Eurofins CEI - Cary in accordance with 567 Iowa Administrative Code Chapter 83. This letter of certification lists the programs, analytes and methods for which the laboratory is certified. Changes from the prior certification are listed on a separate page before the current analyte/method lists. This letter supersedes all prior letters of certification. A certificate is included for display purposes, but does not confer certification.

The certification document, audit worksheets, and any other enclosures should be self-explanatory. Please review them carefully and share them with your laboratory colleagues and management team. Notify the department in writing within 15 days if there are errors or changes that need to be made to the certification. Please note subrule 83.6(3) requires notification to the department of major changes at the laboratory within 15 days of occurrence. Major changes include changes in essential personnel, missed or failed PT samples, changes in physical facility, failure of key equipment or in the case of reciprocal certification, changes in resident state status.

Please contact me at 515.725.0343 or kathy.lee@dnr.iowa.gov if you have any questions. Please use your laboratory ID in all correspondence. Thank you for your attention and prompt review of the certification document.

Sincerely,

Laboratory Certification Authority
Environmental Services Division

Certification Summary

Certification Type:	Renewal	Programs:	Drinking Water
Effective:	November 01, 2025	Regulatory Status:	Certified
Expires:	November 01, 2027	Applicable To:	Laboratory
Lab Type:	Commercial	(NPDES # N/A PWS # N/A)	

Corrective Action Due Dates (see corresponding section of Evaluation Report)

No Corrective Actions at this time.

Iowa DNR Environmental Compliance Reporting Requirements:

All Laboratories - Laboratories that provide analyses for outside clients must include the minimum report elements listed at paragraph 567 IAC 83.5(7)"a". Programs with additional requirements are described below.

Drinking Water Reporting Requirements - Laboratories must be familiar with all of the reporting requirements described in paragraph 567 IAC 83.5(7)"c". Analytical results must be reported to and received by the department by the **seventh day** of the month following the month in which the samples were analyzed.

In addition to the monthly reporting of the analytical results, subparagraph 567 IAC 83.6(6)""c""(4) requires results of positive routine coliform bacteria samples, and all repeat and follow-up samples, must be reported within **24 hours** of the completion of each sample's analysis. Results of any contaminant which exceeds public drinking water standards (maximum contaminant level, treatment technique, action level, or health advisory), and any subsequent confirmation samples must be reported within **24 hours** of the completion of each sample's analysis. 24-hour notifications must be emailed to labfax@dnr.iowa.gov. For results outside of routine business hours, the results also must be reported to the department's Environmental Emergency Reporting Hotline number at (515) 725-8694.

Period of Validity - Certification shall be valid for a period not to exceed **two years** from the date of issuance. Certification shall remain in effect until certification is either renewed or revoked, provided a laboratory has submitted a timely and complete application and paid the appropriate fee.

*Laboratories that have not submitted a timely and complete application and have not paid the appropriate fee **may not** report compliance data if their certification has expired.*

[Click here for Chapter 83 Rules](#)

Comments From Certification Authority:

Evaluation Report

The Iowa DNR contracts with the State Hygienic Laboratory (SHL) at the University of Iowa to provide technical assistance and auditing services for the Iowa DNR Laboratory Certification Program. SHL auditors have attended the EPA certification course and evaluate laboratories according to the rules and standards listed in 567 IAC Chapter 83, the manuals for certification of Iowa laboratories, the federal register and guidance from EPA. SHL is Iowa’s Environmental and Public Health Laboratory and serves as the state primacy laboratory under the Safe Drinking Water Act.

The evaluation report is organized by chemical group and microbiology. Each section lists deviations/deficiencies recommendations, comments, and any required corrective actions. Corrective actions must be completed within a specified period of time, which is noted in the evaluation report and on the certification status page. Some recommendations are good laboratory practices which should be implemented whenever possible. Comments are observations specific to the audited laboratory. An audit worksheet is completed for each chemical group and microbiology, and is included with the certification package.

AUDIT EVALUATION CONDUCTED BY:

Troy Goehl
Chemistry Auditor
State Hygienic Laboratory - Coralville
2490 Crosspark Road
Coralville, IA 52241-4721
319-335-0260
troy-goehl@uiowa.edu
Audit: 08/22/2025 Chemistry

LABORATORY STAFF PRESENT FOR AUDIT EVALUATION:

First Name	Last Name	Role	Title	Edu.	Yrs.	Status
<input type="checkbox"/> Tianbao	Bai	Lab Manager	Lab Director	-	-	-
<input type="checkbox"/> Veronika	Vratcheva	QA Officer	Quality Assurance Manager	-	-	-
<input type="checkbox"/> Brunilda	Gjoka	Analyst/Staff	Sr. TEM Analyst/QC Assistant	BS	10	Critical Staff
<input type="checkbox"/> Kamila	Reichert	Analyst/Staff	TEM Lab Manager	BS	15	Critical Staff
<input type="checkbox"/> Partima	Poudel	Analyst/Staff	TEM Analyst	AS	5	Essential Staff

Comments:

REQUIREMENTS – RECOMMENDATIONS - COMMENTS

1.0	GENERAL
	<p>This laboratory has pursued Iowa Laboratory Certification pursuant to 567 Iowa Administrative Code Chapter 83 – Laboratory Certification. The purpose of a certification program is to ensure that environmental analytical compliance data generated for the Iowa DNR are scientifically valid and defensible, and are of known and acceptable precision and accuracy.</p> <p>The laboratory is required to prepare a written quality assurance plan and standard operating procedures which are available for review by all staff employed at the laboratory. Quality assurance plans and standard operating procedures must be reviewed annually, and updated if necessary. The annual review of the plans and procedures must be documented.</p> <p>The laboratory is required to perform and accumulate quality control data as required by federal and state regulations, procedure manuals and standard operating procedures. Laboratories are required to maintain adequate facilities, possess the appropriate instruments, equipment, and staff to conduct analyses for the programs in which it is certified.</p> <p>The laboratory must maintain training records for all of its employees. The records must contain documentation that demonstrate each employee has been trained in the quality assurance plan, standard operating procedures, analytical methodology, instrument operation, quality control procedures and other relevant subjects for which the employee is responsible.</p> <p>The laboratory is required to complete one acceptable proficiency test in a 12-month period for each analyte/method pair it is certified for in each program area it is certified. Results of the proficiency tests must be sent directly from the proficiency test provider to the DNR in electronic format.</p>
2.0	MICROBIOLOGY <input type="checkbox"/> Not Applicable
2.1	DEVIATIONS/DEFICIENCIES
2.2	RECOMMENDATIONS
2.3	COMMENTS
2.4	REQUIRED CORRECTIVE ACTION(S)
3.0	BASIC WASTEWATER <input type="checkbox"/> Not Applicable
3.1	DEVIATIONS/DEFICIENCIES

REQUIREMENTS – RECOMMENDATIONS - COMMENTS

3.2	RECOMMENDATIONS
3.3	COMMENTS
3.4	REQUIRED CORRECTIVE ACTION(S)
4.0	INORGANIC CHEMISTRY <input type="checkbox"/> Not Applicable
4.1	DEVIATIONS/DEFICIENCIES
4.2	RECOMMENDATIONS
4.3	COMMENTS
4.4	REQUIRED CORRECTIVE ACTION(S)
5.0	ORGANIC CHEMISTRY <input type="checkbox"/> Not Applicable
5.1	DEVIATIONS/DEFICIENCIES
5.2	RECOMMENDATIONS
5.3	COMMENTS
5.4	REQUIRED CORRECTIVE ACTION(S)
6.0	WETT <input type="checkbox"/> Not Applicable
6.1	DEVIATIONS/DEFICIENCIES
6.2	RECOMMENDATIONS
6.3	COMMENTS
6.4	REQUIRED CORRECTIVE ACTION(S)
7.0	CONCLUSIONS

REQUIREMENTS – RECOMMENDATIONS - COMMENTS

This laboratory has pursued reciprocal laboratory certification under the Safe Drinking Water Act Program. The laboratory possesses current resident state / NELAP certification and has provided an onsite evaluation report with corrective actions. At the time of application, the laboratory had satisfactorily completed PT analyses within the last 12 months for all analyses recommended for full certification.

The laboratory is reminded that the Iowa Administrative Code and Laboratory Certification Manual require the laboratory to submit copies of all PT results to Iowa DNR within 30 days of receipt of results. Laboratories using DMR-QA studies to meet annual PT requirements must mark the Iowa DNR on the submission for the agency to receive an electronic copy of the report. Laboratories are strongly encouraged to have PT vendors submit reports electronically to the Iowa DNR at labcert@dnr.iowa.gov.

It is recommended that certification be granted for the analyte-method pairs listed on the letter of certification. This recommendation is based upon receipt of the resident state current certification and verification that an onsite evaluation has been conducted.



Iowa Department of Natural Resources
Environmental Laboratory Certification Application
6200 Park Ave Ste 200
Des Moines, IA 50321

CASHIER'S USE ONLY
0253-542-WSLC-01-0512

08/13/2025
PAID

Laboratory Name: Eurofins CEI - Cary

IA Lab ID: 422

Amount paid: By check

Lab Address: 730 SE Maynard Road Cary NC 27511

Certificate Expires: 11/1/2025

Fee Due Date: 9/2/2025

- If paying by paper check through mail, a copy of this completed page must accompany the check or it may be returned.
- If paying by credit card or electronic check, retain a copy of the system page & the receipt from USBank for your records.

1. Fee Calculation:

Analytical Group	Regulatory Program & Parameters	Fee - \$	\$ Submitted
Asbestos	SDWA	\$400	\$400
Bacteria	CWA (total/fecal coliform, E.coli, enterococci)	\$800	
	BASIC SDWA (T. coliform, E. coli, HPC, nitrate, nitrite, and fluoride)	\$800	
	CWA & SDWA combined	\$1300	
Dioxin	SDWA	\$800	
Effluent Toxicity	CWA	\$800	
Inorganic Chemicals (IOC)	CWA (metals, inorganic compounds, and physical characteristics) <input type="checkbox"/> BASIC Wastewater package \$400 (BOD, CBOD, TSS, Ammonia – select 1 or more) Thereafter, \$400 per analyte up to a maximum of \$2000 for entire category.	\$400 to \$2000	Number: Fee:
	SDWA (metals, ammonia, cyanide, bromate, bromide, chlorite, and others)	\$1600	
	SW/CS	\$1600	
	CWA & SDWA combined	\$2400	
	CWA & SW/CS combined	\$2400	
	SDWA & SW/CS combined	\$2400	
	CWA, SDWA & SW/CS combined	\$2800	
Radionuclides	CWA	\$400	
	SDWA (gross alpha, gross beta, photon emitters, radium, strontium, tritium, uranium)	\$400	
	CWA & SDWA combined	\$650	
Synthetic Organic Chemicals (SOC)	CWA	\$1600	
	SDWA	\$1600	
	SW/CS	\$1600	
	CWA & SDWA combined	\$2400	
	CWA & SW/CS combined	\$2400	
	SDWA & SW/CS combined	\$2400	
	CWA, SDWA & SW/CS combined	\$2800	
Volatile Organic Chemicals (VOC)	CWA	\$1600	
	SDWA	\$1600	
	SW/CS	\$1600	
	CWA & SDWA combined	\$2400	
	CWA & SW/CS combined	\$2400	
	SDWA & SW/CS combined	\$2400	
	CWA, SDWA & SW/CS combined	\$2800	
Underground Storage Tanks (UST)	BTEX, MTBE, TVPH, TEH	\$1600	
	Soil Gas	\$400	
Other (Please Call)	The fee for an additional analyte(s) may be charged at the discretion of the appraisal authority.	\$400	
Calculated Amount:			\$400
Credit Amount:			\$0
Total Amount:			\$400



APPROVED PARAMETER LIST 1 - ANALYTE NAME



Eurofins CEI - Cary
IA LAB #422

Effective: 11/01/2025
Expires: 11/01/2027

***** Begin Parameter List *****						
Analyte Name	TNI Analyte Code	Method Name	TNI Method Code	SDWIS Code	SDWA Code	Regulatory Status
Program: Drinking Water						
Asbestos	1520	EPA 100.2	10004407	100.2	1094	C
***** End Parameter List *****						



Department of Natural Resources

ENVIRONMENTAL LABORATORY CERTIFICATION

Eurofins CEI - Cary - # 422

The above-named laboratory has complied with 567 Iowa Administrative Code Chapter 83 and is certified to analyze samples in the programs listed below. Please refer to the accompanying letter of certification for the official list of individual certified analytes & methods. This certificate does not convey certification without the accompanying letter of certification.

~ DW ~

On behalf of the Director

EFFECTIVE: 11/1/2025

EXPIRES: 11/1/2027

Kathleen A. Lee
Laboratory Certification Authority
25 August 2025

Leading Iowans in Caring for Our Natural Resources