

The Commonwealth of Massachusetts



Department of Environmental Protection

***Division of Environmental Analysis
Senator William X. Wall Experiment Station***

certifies

M-MA022

**ANALYTICAL BALANCE, DIV OF THIELSH ENG
422 WEST GROVE ST
MIDDLEBOROUGH, MA 02346-0000**

Laboratory Director: **LAUREL STODDARD**

for the analysis of **NON POTABLE WATER (CHEMISTRY)
NON POTABLE WATER
(MICROBIOLOGY)
POTABLE WATER (MICROBIOLOGY)
POTABLE WATER (CHEMISTRY)**

pursuant to 310 CMR 42.00

This certificate supersedes all previous Massachusetts certificates issued to this laboratory. The laboratory is regulated by and shall be responsible for being in compliance with Massachusetts regulations at 310 CMR 42.00.

This certificate is valid only when accompanied by the latest dated Certified Parameter List as issued by the Massachusetts D.E.P. Contact the Division of Environmental Analysis to verify the current certification status of the laboratory.

Certification is no guarantee of the validity of the data. This certification is subject to unannounced laboratory inspections.

A handwritten signature in cursive script, reading "Oscar C. Jacobo".

Director, Division of Environmental Analysis

Issued: **01 JUL 2025**

Expires: **30 JUN 2026**

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 02 MAY 2025

M-MA022 ANALYTICAL BALANCE, DIV OF THIELSH ENG
MIDDLEBOROUGH MA

NON POTABLE WATER (CHEMISTRY) Effective Date 02 MAY 2025 Expiration Date 30 JUN 2026

Analytes

Methods

ALUMINUM	EPA 200.8
ANTIMONY	EPA 200.8
ARSENIC	EPA 200.8
BERYLLIUM	EPA 200.8
CADMIUM	EPA 200.8
CHROMIUM	EPA 200.8
COBALT	EPA 200.8
COPPER	EPA 200.8
LEAD	EPA 200.8
MANGANESE	EPA 200.8
MOLYBDENUM	EPA 200.8
NICKEL	EPA 200.8
SELENIUM	EPA 200.8
SILVER	EPA 200.8
THALLIUM	EPA 200.8
VANADIUM	EPA 200.8
ZINC	EPA 200.8
PH	SM 4500-H-B
SPECIFIC CONDUCTIVITY	SM 2510B
TOTAL DISSOLVED SOLIDS	SM 2540C
HARDNESS (CACO3), TOTAL	SM 2340B
ALKALINITY, TOTAL	SM 2320B
ALKALINITY, TOTAL	EPA 310.2
CHLORIDE	SM 4110B
SULFATE	SM 4110B
AMMONIA-N	EPA 350.1
NITRATE-N	EPA 353.2
NITRATE-N	SM 4110B
KJELDAHL-N	EPA 351.2
ORTHOPHOSPHATE	SM 4500-P-E
ORTHOPHOSPHATE	SM 4110B
PHOSPHORUS, TOTAL	SM 4500-P-B,E
CHEMICAL OXYGEN DEMAND	HACH METHOD 8000
BIOCHEMICAL OXYGEN DEMAND	SM 5210B
NON-FILTERABLE RESIDUE	SM 2540D
CHLORINE, TOTAL RESIDUAL	SM 4500-CL-G
OIL AND GREASE	EPA 1664

POTABLE WATER (CHEMISTRY) Effective Date 02 MAY 2025 Expiration Date 30 JUN 2026

Analytes

Methods

ALUMINUM	EPA 200.8
ANTIMONY	EPA 200.8

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 02 MAY 2025

M-MA022 ANALYTICAL BALANCE, DIV OF THIELSH ENG
MIDDLEBOROUGH MA

POTABLE WATER (CHEMISTRY)	Effective Date	02 MAY 2025	Expiration Date	30 JUN 2026
<u>Analytes</u>			<u>Methods</u>	
ARSENIC			EPA 200.8	
BARIUM			EPA 200.8	
BERYLLIUM			EPA 200.8	
CADMIUM			EPA 200.8	
CHROMIUM			EPA 200.8	
COPPER			EPA 200.8	
LEAD			EPA 200.8	
MANGANESE			EPA 200.8	
MERCURY			EPA 200.8	
NICKEL			EPA 200.8	
SELENIUM			EPA 200.8	
SILVER			EPA 200.8	
THALLIUM			EPA 200.8	
ZINC			EPA 200.8	
NITRATE-N			EPA 353.2	
NITRATE-N			SM 4110B	
NITRATE-N			SM 4500-NO3-D	
NITRITE-N			EPA 353.2	
NITRITE-N			SM 4110B	
NITRITE-N			SM 4500-NO2-B	
FLUORIDE			SM 4110B	
FLUORIDE			SM 4500-F-C	
CHLORIDE			SM 4110B	
SULFATE			SM 4110B	
TURBIDITY			SM 2130B	
CHLORINE, RESIDUAL FREE			SM 4500-CL-G	
ALKALINITY, TOTAL			SM 2320B	
TOTAL DISSOLVED SOLIDS			SM 2540C	
PH			SM 4500-H-B	

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2025

M-MA022 ANALYTICAL BALANCE, DIV OF THIELSH ENG
MIDDLEBOROUGH MA

NON POTABLE WATER (MICROBIOLOGY) Effective Date 01 JUL 2025 Expiration Date 30 JUN 2026

Analytes

E. COLI	AMBIENT WATER
ENTEROCOCCI	AMBIENT WATER
FECAL COLIFORM	WASTEWATER
FECAL COLIFORM	WASTEWATER
ENTEROCOCCI	WASTEWATER

Methods

EPA 1604
ENTEROLERT
MF-SM9222D
SM9223B-COLILERT-18
ENTEROLERT

POTABLE WATER (MICROBIOLOGY) Effective Date 18 APR 2025 Expiration Date 30 JUN 2026

Analytes

HETEROTROPHIC PLATE COUNT	
TOTAL COLIFORM	WATER TREATMENT AND DISTRIBUTION (P/A)
TOTAL COLIFORM	WATER TREATMENT AND DISTRIBUTION (P/A)
TOTAL COLIFORM	WATER TREATMENT AND DISTRIBUTION (P/A)
FECAL COLIFORM	SOURCE WATER (ENUMERATION)
E. COLI	WATER TREATMENT AND DISTRIBUTION (P/A)
E. COLI	WATER TREATMENT AND DISTRIBUTION (P/A)
E. COLI	WATER TREATMENT AND DISTRIBUTION (P/A)
TOTAL COLIFORM	SOURCE WATER (ENUMERATION)
TOTAL COLIFORM	SOURCE WATER (ENUMERATION)
E. COLI	SOURCE WATER (ENUMERATION)
E. COLI	SOURCE WATER (ENUMERATION)
E. COLI	SOURCE WATER (ENUMERATION)
ENTEROCOCCI	SOURCE WATER (P/A)

Methods

SM9215B
MF-SM9222B
EPA 1604
ENZ. SUB. SM9223
MF-SM9222D
ENZ. SUB. SM9223
EPA 1604
NA-MUG-SM9222G
SM 9223B-COLILERT
EPA 1604
SM 9223B-COLILERT
EPA 1603
EPA 1604
ENTEROLERT