

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 black ink, appearing to read "Oscar C. Jacobo".

Director, Division of Environmental Analysis

Issued: **01 JUL 2024**

Expires: **30 JUN 2025**

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: 06 MAY 2024

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

NON POTABLE WATER (CHEMISTRY)	Effective Date	03 MAR 2023	Expiration Date	30 JUN 2025
<u>Analytes</u>			<u>Methods</u>	
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			SM 3111B	
COPPER			EPA 200.8	
IRON			SM 3111B	
LEAD			EPA 200.8	
MANGANESE			SM 3111B	
MANGANESE			EPA 200.8	
MOLYBDENUM			EPA 200.8	
NICKEL			EPA 200.8	
SELENIUM			EPA 200.8	
SILVER			SM 3111B	
SILVER			EPA 200.8	
THALLIUM			EPA 200.8	
VANADIUM			EPA 200.8	
ZINC			SM 3111B	
ZINC			EPA 200.8	
PH			SM 4500-H-B	
SPECIFIC CONDUCTIVITY			SM 2510B	
TOTAL DISSOLVED SOLIDS			SM 2540C	
HARDNESS (CACO3), TOTAL			SM 2340B	
CALCIUM			SM 3111B	
MAGNESIUM			SM 3111B	
SODIUM			SM 3111B	
POTASSIUM			SM 3111B	
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	

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

NON POTABLE WATER (CHEMISTRY)	Effective Date	03 MAR 2023	Expiration Date	30 JUN 2025
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Analytes

NON-FILTERABLE RESIDUE
CHLORINE, TOTAL RESIDUAL
OIL AND GREASE

Methods

SM 2540D
SM 4500-CL-G
EPA 1664

POTABLE WATER (CHEMISTRY)	Effective Date	16 NOV 2023	Expiration Date	30 JUN 2025
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Analytes

ALUMINUM
ANTIMONY
ARSENIC
BARIUM
BERYLLIUM
CADMIUM
CHROMIUM
COPPER
COPPER
IRON
LEAD
MANGANESE
MANGANESE
MERCURY
NICKEL
SELENIUM
SILVER
SILVER
THALLIUM
ZINC
ZINC
NITRATE-N
NITRATE-N
NITRATE-N
NITRITE-N
NITRITE-N
NITRITE-N
FLUORIDE
FLUORIDE
SODIUM
CHLORIDE
SULFATE
TURBIDITY
CHLORINE, RESIDUAL FREE
CALCIUM
ALKALINITY, TOTAL

Methods

EPA 200.8
EPA 200.8
EPA 200.8
EPA 200.8
EPA 200.8
EPA 200.8
EPA 200.8
EPA 200.8
SM 3111B
SM 3111B
EPA 200.8
EPA 200.8
SM 3111B
EPA 200.8
EPA 200.8
EPA 200.8
SM 3111B
EPA 200.8
EPA 200.8
SM 3111B
EPA 200.8
SM 4110B
SM 4500-NO3-D
EPA 353.2
SM 4110B
SM 4500-NO2-B
SM 4110B
SM 4500-F-C
SM 3111B
SM 4110B
SM 4110B
SM 2130B
SM 4500-CL-G
SM 3111B
SM 2320B

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 06 MAY 2024

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

POTABLE WATER (CHEMISTRY)	Effective Date	16 NOV 2023	Expiration Date	30 JUN 2025
<u>Analytes</u>			<u>Methods</u>	
TOTAL DISSOLVED SOLIDS			SM 2540C	
PH			SM 4500-H-B	

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: 06 MAY 2024

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

NON POTABLE WATER (MICROBIOLOGY) Effective Date 01 JUL 2015 Expiration Date 30 JUN 2025

Analytes

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

Methods

EPA 1603
EPA 1604
EPA 1600
MF-SM9222D
EPA 1603
EPA 1600

POTABLE WATER (MICROBIOLOGY) Effective Date 26 JAN 2024 Expiration Date 30 JUN 2025

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)
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
EPA 1604
EPA 1603
EPA 1604
ENTEROLERT