

# *The Commonwealth of Massachusetts*



## *Department of Environmental Protection*

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

*certifies*

**M-CT008                      MICROBAC LABORATORIES INC  
61 LOUISA VIENS DR  
DAYVILLE, CT 06241-0000**

*Laboratory Director:*    **RONALD WARILA**

*for the analysis of*    **POTABLE WATER (MICROBIOLOGY)  
NON POTABLE WATER  
(MICROBIOLOGY)  
POTABLE WATER (RADIOCHEMISTRY)  
POTABLE WATER (CHEMISTRY)  
NON 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 2025**

*Expires:*    **30 JUN 2026**

**COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: 03-Jun-2026

M-CT008

MICROBAC LABORATORIES INC

NON POTABLE WATER (CHEMISTRY)

Last Effective Date 31-Aug-2022

Expiration Date 30-Jun-2026

STATUS	ANALYTE	METHOD	RULE
CERTIFIED	OIL AND GREASE	EPA 1664	
CERTIFIED	ALUMINUM	EPA 200.7	
CERTIFIED	ANTIMONY	EPA 200.7	
CERTIFIED	ARSENIC	EPA 200.7	
CERTIFIED	BERYLLIUM	EPA 200.7	
CERTIFIED	CADMIUM	EPA 200.7	
CERTIFIED	CALCIUM	EPA 200.7	
CERTIFIED	CHROMIUM	EPA 200.7	
CERTIFIED	COBALT	EPA 200.7	
CERTIFIED	COPPER	EPA 200.7	
CERTIFIED	IRON	EPA 200.7	
CERTIFIED	LEAD	EPA 200.7	
CERTIFIED	MAGNESIUM	EPA 200.7	
CERTIFIED	MANGANESE	EPA 200.7	
CERTIFIED	MOLYBDENUM	EPA 200.7	
CERTIFIED	NICKEL	EPA 200.7	
CERTIFIED	POTASSIUM	EPA 200.7	
CERTIFIED	SELENIUM	EPA 200.7	
CERTIFIED	SILVER	EPA 200.7	
CERTIFIED	SODIUM	EPA 200.7	
CERTIFIED	THALLIUM	EPA 200.7	
CERTIFIED	VANADIUM	EPA 200.7	
CERTIFIED	ZINC	EPA 200.7	
CERTIFIED	ALUMINUM	EPA 200.8	
CERTIFIED	ANTIMONY	EPA 200.8	
CERTIFIED	ARSENIC	EPA 200.8	
CERTIFIED	BERYLLIUM	EPA 200.8	
CERTIFIED	CADMIUM	EPA 200.8	
CERTIFIED	CHROMIUM	EPA 200.8	
CERTIFIED	COBALT	EPA 200.8	
CERTIFIED	COPPER	EPA 200.8	
CERTIFIED	LEAD	EPA 200.8	
CERTIFIED	MANGANESE	EPA 200.8	
CERTIFIED	MOLYBDENUM	EPA 200.8	
CERTIFIED	NICKEL	EPA 200.8	
CERTIFIED	SELENIUM	EPA 200.8	
CERTIFIED	SILVER	EPA 200.8	
CERTIFIED	THALLIUM	EPA 200.8	
CERTIFIED	VANADIUM	EPA 200.8	
CERTIFIED	ZINC	EPA 200.8	
CERTIFIED	MERCURY	EPA 245.1	
CERTIFIED	CYANIDE, TOTAL	EPA 335.4	
CERTIFIED	AMMONIA-N	EPA 350.1	
CERTIFIED	KJELDAHL-N	EPA 351.2	

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CERTIFIED	ORTHOPHOSPHATE	EPA 365.1	
CERTIFIED	PHOSPHORUS, TOTAL	EPA 365.1	
CERTIFIED	PHENOLICS, TOTAL	EPA 420.1	
CERTIFIED	ALDRIN	EPA 608.3	
CERTIFIED	ALPHA-BHC	EPA 608.3	
CERTIFIED	BETA-BHC	EPA 608.3	
CERTIFIED	CHLORDANE	EPA 608.3	
CERTIFIED	DDD	EPA 608.3	
CERTIFIED	DDE	EPA 608.3	
CERTIFIED	DDT	EPA 608.3	
CERTIFIED	DELTA-BHC	EPA 608.3	
CERTIFIED	DIELDRIN	EPA 608.3	
CERTIFIED	ENDOSULFAN I	EPA 608.3	
CERTIFIED	ENDOSULFAN II	EPA 608.3	
CERTIFIED	ENDOSULFAN SULFATE	EPA 608.3	
CERTIFIED	ENDRIN	EPA 608.3	
CERTIFIED	ENDRIN ALDEHYDE	EPA 608.3	
CERTIFIED	GAMMA-BHC	EPA 608.3	
CERTIFIED	HEPTACHLOR	EPA 608.3	
CERTIFIED	HEPTACHLOR EPOXIDE	EPA 608.3	
CERTIFIED	POLYCHLORINATED BIPHENYLS (WATER)	EPA 608.3	
CERTIFIED	TOXAPHENE	EPA 608.3	
CERTIFIED	VOLATILE AROMATICS	EPA 624.1	
CERTIFIED	VOLATILE HALOCARBONS	EPA 624.1	
CERTIFIED	SVOC-ACID EXTRACTABLES	EPA 625.1	
CERTIFIED	SVOC-BASE/NEUTRAL EXTRACTABLES	EPA 625.1	
CERTIFIED	CHEMICAL OXYGEN DEMAND	HACH METHOD 8000	
CERTIFIED	ALKALINITY, TOTAL	SM 2320B	
CERTIFIED	HARDNESS (CACO3), TOTAL	SM 2340B	
CERTIFIED	SPECIFIC CONDUCTIVITY	SM 2510B	
CERTIFIED	TOTAL DISSOLVED SOLIDS	SM 2540C	
CERTIFIED	NON-FILTERABLE RESIDUE	SM 2540D	
CERTIFIED	CHLORIDE	SM 4500-CL-E	
CERTIFIED	CHLORINE, TOTAL RESIDUAL	SM 4500-CL-G	
CERTIFIED	PH	SM 4500-H-B	
CERTIFIED	NITRATE-N	SM 4500-NO3-F	
CERTIFIED	SULFATE	SM 4500-SO4-E	
CERTIFIED	BIOCHEMICAL OXYGEN DEMAND	SM 5210B	
CERTIFIED	TOTAL ORGANIC CARBON	SM 5310C	

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POTABLE WATER (CHEMISTRY)

Last Effective Date 03-Jun-2026

Expiration Date 30-Jun-2026

STATUS	ANALYTE	METHOD	RULE
CERTIFIED	ALUMINUM	EPA 200.7	
CERTIFIED	BARIUM	EPA 200.7	
CERTIFIED	BERYLLIUM	EPA 200.7	
CERTIFIED	CADMIUM	EPA 200.7	
CERTIFIED	CALCIUM	EPA 200.7	
CERTIFIED	CHROMIUM	EPA 200.7	
CERTIFIED	COPPER	EPA 200.7	
CERTIFIED	IRON	EPA 200.7	
CERTIFIED	MANGANESE	EPA 200.7	
CERTIFIED	NICKEL	EPA 200.7	
CERTIFIED	SILVER	EPA 200.7	
CERTIFIED	SODIUM	EPA 200.7	
CERTIFIED	ZINC	EPA 200.7	
CERTIFIED	ALUMINUM	EPA 200.8	
CERTIFIED	ANTIMONY	EPA 200.8	
CERTIFIED	ARSENIC	EPA 200.8	
CERTIFIED	BARIUM	EPA 200.8	
CERTIFIED	BERYLLIUM	EPA 200.8	
CERTIFIED	CADMIUM	EPA 200.8	
CERTIFIED	CHROMIUM	EPA 200.8	
CERTIFIED	COPPER	EPA 200.8	
CERTIFIED	LEAD	EPA 200.8	
CERTIFIED	MANGANESE	EPA 200.8	
CERTIFIED	NICKEL	EPA 200.8	
CERTIFIED	SELENIUM	EPA 200.8	
CERTIFIED	SILVER	EPA 200.8	
CERTIFIED	THALLIUM	EPA 200.8	
CERTIFIED	ZINC	EPA 200.8	
CERTIFIED	MERCURY	EPA 245.1	
CERTIFIED	CHLORIDE	EPA 300.0	
CERTIFIED	CYANIDE, TOTAL	EPA 335.4	
CERTIFIED	1,2-DIBROMO-3-CHLOROPROPANE	EPA 504.1	
CERTIFIED	1,2-DIBROMOETHANE	EPA 504.1	
CERTIFIED	ALACHLOR	EPA 505	
CERTIFIED	CHLORDANE	EPA 505	
CERTIFIED	ENDRIN	EPA 505	
CERTIFIED	HEPTACHLOR	EPA 505	
CERTIFIED	HEPTACHLOR EPOXIDE	EPA 505	
CERTIFIED	HEXACHLOROBENZENE	EPA 505	
CERTIFIED	HEXACHLOROCYCLOPENTADIENE	EPA 505	
CERTIFIED	LINDANE	EPA 505	
CERTIFIED	METHOXYCHLOR	EPA 505	
CERTIFIED	TOXAPHENE	EPA 505	
CERTIFIED	2,4,5-TP	EPA 515.3	

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POTABLE WATER (CHEMISTRY)

Last Effective Date 03-Jun-2026

Expiration Date 30-Jun-2026

CERTIFIED	2,4-D	EPA 515.3	
CERTIFIED	DALAPON	EPA 515.3	
CERTIFIED	DINOSEB	EPA 515.3	
CERTIFIED	PENTACHLOROPHENOL	EPA 515.3	
CERTIFIED	PICLORAM	EPA 515.3	
CERTIFIED	1,4-DIOXANE	EPA 522	
CERTIFIED	TRIHALOMETHANES	EPA 524.2	
CERTIFIED	VOLATILE ORGANIC COMPOUNDS	EPA 524.2	
CERTIFIED	ADIPATES/PHTHALATES	EPA 525.2	
CERTIFIED	ALACHLOR	EPA 525.2	
CERTIFIED	ATRAZINE	EPA 525.2	
CERTIFIED	BENZO-A-PYRENE	EPA 525.2	
CERTIFIED	HEPTACHLOR	EPA 525.2	
CERTIFIED	HEPTACHLOR EPOXIDE	EPA 525.2	
CERTIFIED	HEXACHLOROBENZENE	EPA 525.2	
CERTIFIED	HEXACHLOROCYCLOPENTADIENE	EPA 525.2	
CERTIFIED	LINDANE	EPA 525.2	
CERTIFIED	METHOXYCHLOR	EPA 525.2	
CERTIFIED	SIMAZINE	EPA 525.2	
CERTIFIED	ALDICARB	EPA 531.2	
CERTIFIED	ALDICARB SULFONE	EPA 531.2	
CERTIFIED	ALDICARB SULFOXIDE	EPA 531.2	
CERTIFIED	CARBOFURAN	EPA 531.2	
CERTIFIED	VYDATE	EPA 531.2	
CERTIFIED	DIQUAT	EPA 549.2	
CERTIFIED	HALOACETIC ACIDS	EPA 552.2	
CERTIFIED	TURBIDITY	SM 2130B	
CERTIFIED	ALKALINITY, TOTAL	SM 2320B	
CERTIFIED	TOTAL DISSOLVED SOLIDS	SM 2540C	
CERTIFIED	FLUORIDE	SM 4500-F-C	
CERTIFIED	PH	SM 4500-H-B	
CERTIFIED	NITRATE-N	SM 4500-NO3-F	
CERTIFIED	NITRITE-N	SM 4500-NO3-F	
CERTIFIED	SULFATE	SM 4500-SO4-E	

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Certified Parameter List as of: 03-Jun-2026

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MICROBAC LABORATORIES INC

NON POTABLE WATER (MICROBIOLOGY) Last Effective Date 01-Jul-2025

Expiration Date 30-Jun-2026

STATUS	ANALYTE	METHOD	RULE
CERTIFIED	ENTEROCOCCI	ENTEROLERT	WASTEWATER
CERTIFIED	ENTEROCOCCI	ENTEROLERT	AMBIENT WATER
CERTIFIED	FECAL COLIFORM	MF-SM9222D	WASTEWATER
CERTIFIED	E. COLI	SM 9223B-COLILERT	WASTEWATER
CERTIFIED	E. COLI	SM 9223B-COLILERT	AMBIENT WATER

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Certified Parameter List as of: 03-Jun-2026

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MICROBAC LABORATORIES INC

POTABLE WATER (MICROBIOLOGY)

Last Effective Date 18-Jan-2019

Expiration Date 30-Jun-2026

STATUS	ANALYTE	METHOD	RULE
CERTIFIED	E. COLI	ENZ. SUB. SM9223	WATER TREATMENT AND DISTRIBUTION (P/A)
CERTIFIED	TOTAL COLIFORM	ENZ. SUB. SM9223	WATER TREATMENT AND DISTRIBUTION (P/A)
CERTIFIED	E. COLI	SM 9223B-COLILERT	SOURCE WATER (ENUMERATION)
CERTIFIED	HETEROTROPHIC PLATE COUNT	SM9215B	

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M-CT008

MICROBAC LABORATORIES INC

POTABLE WATER (RADIOCHEMISTRY)

Last Effective Date 01-Jul-2015

Expiration Date 30-Jun-2026

STATUS	ANALYTE	METHOD	RULE
CERTIFIED	URANIUM	EPA 200.8	