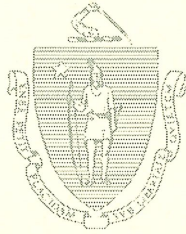


The Commonwealth of Massachusetts



Department of Environmental Protection

Division of Environmental Laboratory Sciences

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 (CHEMISTRY)
POTABLE WATER (CHEMISTRY)
POTABLE WATER (RADIOCHEMISTRY)
NON POTABLE WATER (MICROBIOLOGY)

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 Laboratory Sciences 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. Jacobs".

Director, Division of Environmental Laboratory Sciences

Issued: 01 JUL 2020

Expires: 30 JUN 2021

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: **01 JUL 2020**

**M-CT008 MICROBAC LABORATORIES INC
DAYVILLE CT**

**NON POTABLE WATER (MICROBIOLOGY) Effective 28 SEP 2017 Expiration 30 JUN 2021
Date**

Analytes

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

Methods

SM 9223B-COLILERT
ENTEROLERT
EPA 1600
MF-SM9222D
SM 9223B-COLILERT
ENTEROLERT
EPA 1600

**POTABLE WATER (MICROBIOLOGY) Effective 18 JAN 2019 Expiration 30 JUN 2021
Date**

Analytes

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

Methods

SM9215B
ENZ. SUB. SM9223
ENZ. SUB. SM9223
SM 9223B-COLILERT

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: **08 OCT 2020**

**M-CT008 MICROBAC LABORATORIES INC
 DAYVILLE CT**

NON POTABLE WATER (CHEMISTRY)	Effective Date	22 JAN 2019	Expiration Date	30 JUN 2021
<u>Analytes</u>				<u>Methods</u>
ALUMINUM				EPA 200.7
ALUMINUM				EPA 200.8
ANTIMONY				EPA 200.7
ANTIMONY				EPA 200.8
ARSENIC				EPA 200.7
ARSENIC				EPA 200.8
BERYLLIUM				EPA 200.7
BERYLLIUM				EPA 200.8
CADMIUM				EPA 200.7
CADMIUM				EPA 200.8
CHROMIUM				EPA 200.7
CHROMIUM				EPA 200.8
COBALT				EPA 200.7
COBALT				EPA 200.8
COPPER				EPA 200.7
COPPER				EPA 200.8
IRON				EPA 200.7
LEAD				EPA 200.7
LEAD				EPA 200.8
MANGANESE				EPA 200.7
MANGANESE				EPA 200.8
MERCURY				EPA 245.2
MOLYBDENUM				EPA 200.7
MOLYBDENUM				EPA 200.8
NICKEL				EPA 200.7
NICKEL				EPA 200.8
SELENIUM				EPA 200.7
SELENIUM				EPA 200.8
SILVER				EPA 200.7
SILVER				EPA 200.8
THALLIUM				EPA 200.7
THALLIUM				EPA 200.8
VANADIUM				EPA 200.7
VANADIUM				EPA 200.8
ZINC				EPA 200.7
ZINC				EPA 200.8
PH				SM 4500-H-B
SPECIFIC CONDUCTIVITY				SM 2510B
TOTAL DISSOLVED SOLIDS				SM 2540C
HARDNESS (CaCO3), TOTAL				EPA 200.7
CALCIUM				EPA 200.7
MAGNESIUM				EPA 200.7
SODIUM				EPA 200.7

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: 08 OCT 2020

**M-CT008 MICROBAC LABORATORIES INC
DAYVILLE CT**

**NON POTABLE WATER (CHEMISTRY) Effective 22 JAN 2019 Expiration 30 JUN 2021
Date Date**

Analytes

Methods

POTASSIUM	EPA 200.7
ALKALINITY, TOTAL	SM 2320B
CHLORIDE	SM 4500-CL-E
SULFATE	SM 4500-SO4-E
AMMONIA-N	EPA 350.1
NITRATE-N	SM 4500-NO3-F
KJELDAHL-N	EPA 351.1
ORTHOPHOSPHATE	EPA 365.1
PHOSPHORUS, TOTAL	EPA 365.1
CHEMICAL OXYGEN DEMAND	HACH METHOD 8000
BIOCHEMICAL OXYGEN DEMAND	SM 5210B
TOTAL ORGANIC CARBON	SM 5310C
CYANIDE, TOTAL	EPA 335.4
NON-FILTERABLE RESIDUE	SM 2540D
CHLORINE, TOTAL RESIDUAL	SM 4500-CL-G
OIL AND GREASE	EPA 1664
PHENOLICS, TOTAL	EPA 420.1
VOLATILE HALOCARBONS	EPA 624.1
VOLATILE AROMATICS	EPA 624.1
CHLORDANE	EPA 608.3
TOXAPHENE	EPA 608.3
ALDRIN	EPA 608.3
ALPHA-BHC	EPA 608.3
BETA-BHC	EPA 608.3
GAMMA-BHC	EPA 608.3
DELTA-BHC	EPA 608.3
DIELDRIN	EPA 608.3
DDD	EPA 608.3
DDE	EPA 608.3
DDT	EPA 608.3
ENDOSULFAN I	EPA 608.3
ENDOSULFAN II	EPA 608.3
ENDOSULFAN SULFATE	EPA 608.3
ENDRIN	EPA 608.3
ENDRIN ALDEHYDE	EPA 608.3
HEPTACHLOR	EPA 608.3
HEPTACHLOR EPOXIDE	EPA 608.3
SVOC-ACID EXTRACTABLES	EPA 625.1
SVOC-BASE/NEUTRAL EXTRACTABLES	EPA 625.1
POLYCHLORINATED BIPHENYLS (WATER)	EPA 608.3

**POTABLE WATER (CHEMISTRY) Effective 08 OCT 2020 Expiration 30 JUN 2021
Date Date**

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: 08 OCT 2020

**M-CT008 MICROBAC LABORATORIES INC
 DAYVILLE CT**

POTABLE WATER (CHEMISTRY)	Effective Date	08 OCT 2020	Expiration Date	30 JUN 2021
<u>Analytes</u>				<u>Methods</u>
ALUMINUM				EPA 200.7
ALUMINUM				EPA 200.8
ANTIMONY				EPA 200.8
ARSENIC				EPA 200.8
BARIUM				EPA 200.7
BARIUM				EPA 200.8
BERYLLIUM				EPA 200.7
BERYLLIUM				EPA 200.8
CADMIUM				EPA 200.7
CADMIUM				EPA 200.8
CHROMIUM				EPA 200.7
CHROMIUM				EPA 200.8
COPPER				EPA 200.7
COPPER				EPA 200.8
IRON				EPA 200.7
LEAD				EPA 200.8
MANGANESE				EPA 200.7
MANGANESE				EPA 200.8
MERCURY				EPA 245.2
NICKEL				EPA 200.7
NICKEL				EPA 200.8
SELENIUM				EPA 200.8
SILVER				EPA 200.7
SILVER				EPA 200.8
THALLIUM				EPA 200.8
ZINC				EPA 200.7
ZINC				EPA 200.8
NITRATE-N				SM 4500-NO3-F
NITRITE-N				SM 4500-NO3-F
FLUORIDE				SM 4500-F-C
SODIUM				EPA 200.7
CHLORIDE				EPA 300.0
SULFATE				SM 4500-SO4-E
CYANIDE, TOTAL				SM 4500-CN-C,E
TURBIDITY				SM 2130B
CHLORINE, RESIDUAL FREE				SM 4500-CL-G
CALCIUM				EPA 200.7
ALKALINITY, TOTAL				SM 2320B
TOTAL DISSOLVED SOLIDS				SM 2540C
PH				SM 4500-H-B
2,4-D				EPA 515.3
2,4,5-TP				EPA 515.3
DALAPON				EPA 515.3

**COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

Certified Parameter List as of: 08 OCT 2020

**M-CT008 MICROBAC LABORATORIES INC
 DAYVILLE CT**

POTABLE WATER (CHEMISTRY)	Effective Date	08 OCT 2020	Expiration Date	30 JUN 2021
<u>Analytes</u>			<u>Methods</u>	
DINOSEB			EPA 515.3	
PENTACHLOROPHENOL			EPA 515.3	
PICLORAM			EPA 515.3	
ALACHLOR			EPA 525.2	
ALACHLOR			EPA 505	
ATRAZINE			EPA 525.2	
CHLORDANE			EPA 505	
ENDRIN			EPA 525.2	
ENDRIN			EPA 505	
HEPTACHLOR			EPA 525.2	
HEPTACHLOR			EPA 505	
HEPTACHLOR EPOXIDE			EPA 525.2	
HEPTACHLOR EPOXIDE			EPA 505	
HEXACHLOROBENZENE			EPA 525.2	
HEXACHLOROBENZENE			EPA 505	
HEXACHLOROCYCLOPENTADIENE			EPA 525.2	
HEXACHLOROCYCLOPENTADIENE			EPA 505	
LINDANE			EPA 525.2	
LINDANE			EPA 505	
METHOXYCHLOR			EPA 525.2	
METHOXYCHLOR			EPA 505	
SIMAZINE			EPA 525.2	
TOXAPHENE			EPA 505	
ALDICARB			EPA 531.2	
ALDICARB SULFONE			EPA 531.2	
ALDICARB SULFOXIDE			EPA 531.2	
CARBOFURAN			EPA 531.2	
VYDATE			EPA 531.2	
BENZO-A-PYRENE			EPA 525.2	
ADIPATES/PHTHALATES			EPA 525.2	
TRIHALOMETHANES			EPA 524.2	
VOLATILE ORGANIC COMPOUNDS			EPA 524.2	
1,2-DIBROMOETHANE			EPA 504.1	
1,2-DIBROMO-3-CHLOROPROPANE			EPA 504.1	
HALOACETIC ACIDS			EPA 552.2	
1,4-DIOXANE			EPA 522	
DIQUAT			EPA 549.2	