



**State of Rhode Island
DEPARTMENT OF HEALTH
Certifies**

LAO00346

**MICROBAC LABORATORIES, INC
61 LOUISA VIENS DRIVE
DAYVILLE CT 06241**

Laboratory Director: RONALD WARILA

for the analysis of: Potable Water Microbiology - Potable Water Organic Chemistry - Potable Water Inorganic Chemistry - Non-potable Water Microbiology - Non-potable Water Organic Chemistry - Non-potable Water Inorganic Chemistry - Radiochemistry -

This certificate is issued, pursuant to Rhode Island General Laws 23-16.2 and supersedes all previous Rhode Island certificates issued to this laboratory. Certification is no guarantee of the validity of the laboratory results.

This certificate is valid only when accompanied by the certificate and list of analytes and methods for which certification has been granted based upon the following out of state certification(s):

Certifying Authority
CT

Certification Number
PH-0465

Expiration Date
09/30/2023

MICROBAC LABORATORIES, INC is responsible for maintaining each of the certifications listed above. Failure to notify the Laboratory Certification Officer of any change in the status of these certifications may result in the suspension or revocation of certification. Contact the Laboratory Certification Officer to verify the current certification status of this laboratory.

Expires: 12/30/2023

THIS CERTIFICATE IS TO BE CONSPICUOUSLY DISPLAYED AT THE LABORATORY IN A LOCATION VISABLE TO THE PUBLIC

State of Connecticut, Department of Public Health
Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT.

MICROBAC LABORATORIES, INC. – Dayville

LOCATED AT 61 Louisa Viens Drive IN Dayville, Connecticut 06241

AND REGISTERED IN THE NAME OF J. Trevor Boyce

THIS CERTIFICATE IS ISSUED IN THE NAMES OF Ronald Warila (Micro & Chemistry) WHO HAVE BEEN DESIGNATED BY THE REGISTERED OWNER/AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF APPROVAL AS FOLLOWS:

DRINKING WATER, NON-POTABLE WATER/WASTEWATER, SOLID WASTE/SOIL ENVIRONMENTAL HEALTH & HOUSING

Examination for:
BACTERIA
INORGANIC CHEMICALS
ORGANIC CHEMICALS
RADIOCHEMICALS

Examination for:
Paint Chips
Lead Paint in Soil

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

EFFECTIVE RENEWAL DATE October 1, 2021

THIS CERTIFICATE EXPIRES September 30, 2023 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS 15th DAY OF December, 2021



Registration No.
PH-0465

Lori J. Mathieu '22

Lori J. Mathieu
Public Health Branch Chief



STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH
Environmental Health and Drinking Water Branch



ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM CERTIFIED ANALYTES REPORT FOR ALL MATRICES

Microbac Laboratories, INC. - Dayville

61 LOUISA VIENS DRIVE
DAYVILLE, CT 06241

CT REGISTRATION NUMBER :

REGISTERED OWNER / AUTHORIZED AGENT : J. Trevor Boyce

DIRECTOR : Ronald Warila

CO DIRECTOR(S) :

PHONE : (860) 774-6814

LABORATORY REGISTRATION EFFECTIVE DATE :

LABORATORY REGISTRATION EXPIRATION DATE :

LABORATORY STATUS :

APPROVED BY *Lori J. Mathieu '22*
Lori J Mathieu
Public Health Branch Chief
Environmental Health & Drinking Water Branch

REVIEWED BY *Dawn E. Shaban* 12/20/2021 11:07:39 AM
Dawn Shaban
Laboratory Consultant/Certification Officer

ANY QUESTIONS CONCERNING THIS DOCUMENT SHOULD BE ADDRESSED TO THE ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM AT (860) 509-7389

DRINKING WATER (SDWA)

STATUS REPORTED ON 12/20/2021

ANALYTE NAME

MICROBIOLOGY/BACTERIA

E. COLI - COLILERT (SM9223 Enumeration)	
E. COLI - COLILERT (SM9223 P/A)	ENTEROCOCCUS - ENTEROLERT
HPC - POUR PLATE (SM9215B)	TOT COLIFORM - COLILERT (SM9223 Enumeration)
TOT COLIFORM - COLILERT (SM9223 P/A)	TOT COLIFORM - COLILERT 18 (SM9223 P/A)

PHYSICALS

COLOR	
CONDUCTIVITY	ODOR
pH	TURBIDITY

MINERALS

ALKALINITY	CHLORIDE
CHLORINE, FREE RESIDUAL	CHLORINE, TOTAL RESIDUAL
FLUORIDE	HARDNESS, CALCIUM
HARDNESS, TOTAL	SILICA
SULFATE	

NUTRIENTS

AMMONIA	
NITRATE	NITRITE
O-PHOSPHATE	TOTAL PHOSPHOROUS

METALS

ALUMINUM	
ANTIMONY	ARSENIC
BARIUM	BERYLLIUM
BORON	CADMIUM
CALCIUM	CHROMIUM
COPPER	IRON
LEAD	MAGNESIUM
MANGANESE	MERCURY
MOLYBDENUM	NICKEL
POTASSIUM	SELENIUM
SILVER	SODIUM
THALLIUM	VANADIUM
ZINC	

RESIDUE

TOTAL DISSOLVED SOLIDS

TOTAL RESIDUE (SOLIDS)

DEMANDS

TOTAL ORGANIC CARBON

MISCELLANEOUS

CYANIDE (TOTAL)

FOAMING AGENTS (MBAS)

INORGANIC DISINFECTION BY-PRODUCTS

BROMIDE

ORGANIC DISINFECTION BY-PRODUCTS

BROMOACETIC ACID BROMOCHLOROACETIC ACID

BROMODICHLOROACETIC ACID CHLOROACETIC ACID

CHLORODIBROMOACETIC ACID DIBROMOACETIC ACID

DICHLOROACETIC ACID TRIBROMOACETIC ACID

TRICHLOROACETIC ACID

VOLATILE ORGANICS

1,2-DIBROMO-3-CHLOROPROPANE 504.1 (DBCP)
(SOC)

1,4-DIOXANE (522 SIM) ETHYLENE DIBROMIDE 504.1 (EDB) (SOC)

TOTAL TRIHALOMETHANES 524.2 (SOC) VINYL CHLORIDE - 524.2

VOLATILE ORGANICS - 524.2 (SOCs)

PESTICIDES/ PCB'S

ALDRIN CHLORDANE (TECHNICAL) (SOC)

DIELDRIN ENDRIN (SOC)

HEPTACHLOR (SOC) HEPTACHLOR EPOXIDE (SOC)

HEXACHLOROBENZENE (SOC) HEXACHLOROCYCLOPENTADIENE (SOC)

LINDANE (BHC-GAMMA) (SOC) METHOXYCHLOR (SOC)

METRIBUZIN PCB's (Aroclors, Qualitative Only)

TOXAPHENE (SOC)

HERBICIDES

2,4,5-TP (SILVEX) (SOC)

2,4-D (SOC) DALAPON (SOC)

DICAMBA DINOSEB (SOC)

DIQUAT (SOC) GLYPHOSATE (SOC)

PENTACHLOROPHENOL (SOC) PICLORAM (SOC)

PHTHALATE ESTERS & ADIPATES

BIS (2 - ETHYLHEXYL) ADIPATE (SOC)

BIS (2-EHTYLHEXYL) PHTHALATE (SOC)

PAHS

BENZO(a) PYRENE (SOC)

TRIAZINE PESTICIDES

ALACHLOR (SOC)

ATRAZINE (SOC)

BUTACHLOR

METOLACHLOR

PROPACHLOR

SIMAZINE (SOC)

CARBAMATE PESTICIDES

3 - HYDROXYCARBOFURAN

ALDICARB (SOC)

ALDICARB SULFONE (SOC)

ALDICARB SULFOXIDE (SOC)

CARBARYL

CARBOFURAN (SOC)

METHOMYL

OXAMYL (SOC)

RADIOCHEMICALS

URANIUM - EPA 200.8

NON-POTABLE WATER/ WASTEWATER (CWA)

STATUS REPORTED ON 12/20/2021

ANALYTE NAME

MICROBIOLOGY/BACTERIA

E. COLI - COLILERT (SM9223 Enumeration)	
ENTEROCOCCUS - ENTEROLERT	ENTEROCOCCUS - MF mEI Agar (EPA1600)
FECAL COLIFORM - COLILERT-18 (Enumeration)	FECAL COLIFORM - MF m-FC (SM9222D)
HPC - POUR PLATE (SM9215B)	

PHYSICALS

COLOR	CONDUCTIVITY
ODOR	pH
TURBIDITY	

MINERALS

ACIDITY	
ALKALINITY	CHLORIDE
CHLORINE, TOTAL RESIDUAL	HARDNESS, TOTAL
SULFATE	SULFIDE

NUTRIENTS

AMMONIA	KJELDAHL NITROGEN
NITRATE	NITRITE
O-PHOSPHATE	TOTAL PHOSPHOROUS

METALS

ALUMINUM	ANTIMONY
ARSENIC	BARIUM
BERYLLIUM	BORON
CADMIUM	CALCIUM
CHROMIUM	CHROMIUM - Hexavalent
COBALT	COPPER
IRON	LEAD
MAGNESIUM	MANGANESE
MERCURY	MOLYBDENUM
NICKEL	POTASSIUM
SELENIUM	SILVER
SODIUM	STRONTIUM
THALLIUM	TIN
TITANIUM	VANADIUM
ZINC	

RESIDUE

TOTAL DISSOLVED SOLIDS

TOTAL RESIDUE (SOLIDS)

TOTAL SUSPENDED SOLIDS

TOTAL VOLATILE RESIDUE

DEMANDS

BOD

CARBONACEOUS BOD

COD

TOTAL ORGANIC CARBON

MISCELLANEOUS

CYANIDE (AMENABLE)

CYANIDE (TOTAL)

FOAMING AGENTS (MBAS)

PHENOLICS

VOLATILE ORGANICS

VOLATILE ORGANICS - 624.1

PESTICIDES/ PCB'S

CHLORDANE (TECHNICAL)

ORGANOCHLORINE PESTICIDES - 608.3

PCBs - 608.3

TOXAPHENE

SOLVENTS

CT Extractable Petroleum Hydrocarbons (ETPH)

OIL & GREASE

TPH (HEM/SGT)

HERBICIDES

2,4,5-T

2,4,5-TP (SILVEX)

2,4-D

ORGANICS

ACID EXTRACTABLES (PHENOLS)

BENZIDINES

CHLORINATED HYDROCARBONS

HALOETHERS

NITROAROMATICS & ISOPHORONE

NITROSAMINES

PHTHALATE ESTERS

POLYNUCLEAR AROMATIC HYDROCARBONS

SEMIVOLATILES

SEMIVOLATILES - 625.1

RECREATIONAL WATER

STATUS REPORTED ON 12/20/2021

ANALYTE NAME

MICROBIOLOGY/BACTERIA

E. COLI - COLILERT (SM9223 Enumeration)

ENTEROCOCCUS - MF mEI Agar (EPA1600)

SOLID WASTE/SOIL (RCRA)

STATUS REPORTED ON 12/20/2021

ANALYTE NAME

PHYSICALS

pH

MINERALS

SULFIDE

NUTRIENTS

KJELDAHL NITROGEN

TOTAL PHOSPHOROUS

METALS

ALUMINUM	ANTIMONY
ARSENIC	BARIUM
BERYLLIUM	BORON
CADMIUM	CALCIUM
CHROMIUM	COBALT
COPPER	IRON
LEAD	MAGNESIUM
MERCURY	NICKEL
POTASSIUM	SELENIUM
SILVER	SODIUM
THALLIUM	TIN
VANADIUM	

MISCELLANEOUS

CORROSIVITY	CYANIDE (TOTAL)
IGNITABILITY	SPLP LEACH (1312)
TCLP LEACH (1311)	

PESTICIDES/ PCB'S

CHLORDANE (TECHNICAL)	
ORGANOCHLORINE PESTICIDES (Single Response)	PCB IN OIL
POLYCHLORINATED BIPHENYLS	TOXAPHENE

SOLVENTS

CT Extractable Petroleum Hydrocarbons (ETPH)

RCRA (SW-846) ORGANICS

3,3'-DICHLOROBENZIDINE (SW 8270)	
ACID EXTRACTABLES (PHENOLS) (SW 8270)	CHLORINATED HYDROCARBONS (SW 8270)
HALOETHERS (SW 8270)	NITROAROMATICS & CYCLIC KETONES (SW 8270)

NITROSOAMINES (SW 8270)

PAH's (SW 8270)

PHTHALATES (SW 8270)

VOLATILE ORGANICS (SW 8260)

ENVIRONMENTAL HEALTH & HOUSING

LEAD (PAINT) IN SOIL

LEAD IN PAINT

Report Profile: Lab Name : Microbac Laboratories, INC. - Dayville

Test Name : *

Matrix Name : *

Matrix Selection = ALL OR SOME MATRICES SELECTED

Certifications approved or provisional on 12/20/2021

THIS IS THE LAST PAGE OF THE REPORT