



**State of Rhode Island and Providence Plantations**  
**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*  
*09/30/2019*

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.

**Nicole Alexander-Scott, MD, MPH**  
**Director of Health**

**Expires: 12/30/2018**



# STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH  
ENVIRONMENTAL HEALTH SECTION



## 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 : N. Cabot Earle, Jr.

DIRECTOR : Ronald Warila

CO DIRECTOR(S) :

PHONE : (860) 774-6814

LABORATORY REGISTRATION EFFECTIVE DATE :

LABORATORY REGISTRATION EXPIRATION DATE :

LABORATORY STATUS :

APPROVED BY

SUZANNE BLANCAFLOR, MS, MPH  
CHIEF, ENVIRONMENTAL HEALTH SECTION

REVIEWED BY

DERMOT JONES

8/3/2018 10:28:24 AM

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

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# DRINKING WATER (SDWA)

STATUS REPORTED ON 8/3/2018

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## ANALYTE NAME

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### MICROBIOLOGY/BACTERIA

E. COLI - COLILERT (SM9223 Enumeration & P/A)

ENTEROCOCCUS - ENTEROLERT

HPC - POUR PLATE (SM9215B)

HPC - SIMPLATE

TOT COLIFORM - COLILERT (SM9223 Enumeration & P/A)

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### PHYSICALS

COLOR

CONDUCTIVITY

ODOR

pH

TEMPERATURE

TURBIDITY

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### MINERALS

ALKALINITY

CHLORIDE

CHLORINE, FREE RESIDUAL

FLUORIDE

HARDNESS, CALCIUM

HARDNESS, TOTAL

SILICA

SULFATE

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### NUTRIENTS

AMMONIA

NITRATE

NITRITE

O-PHOSPHATE

TOTAL PHOSPHOROUS

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### METALS

ALUMINUM

ANTIMONY

ARSENIC

BARIUM

BERYLLIUM

BORON

CADMIUM

CALCIUM

CHROMIUM

COBALT

COPPER

IRON

LEAD

MAGNESIUM

MANGANESE

MERCURY

MOLYBDENUM

NICKEL

POTASSIUM

SELENIUM

SILVER

SODIUM

THALLIUM

VANADIUM

ZINC

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### RESIDUE

TOTAL DISSOLVED SOLIDS

TOTAL RESIDUE (SOLIDS)

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**DEMANDS**

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TOTAL ORGANIC CARBON

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**MISCELLANEOUS**

---

CYANIDE (TOTAL)

FOAMING AGENTS (MBAS)

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**INORGANIC DISINFECTION BY-PRODUCTS**

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BROMATE

BROMIDE

CHLORATE

CHLORITE

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**ORGANIC DISINFECTION BY-PRODUCTS**

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BROMOACETIC ACID

BROMOCHLOROACETIC ACID

BROMODICHLOROACETIC ACID

CHLOROACETIC ACID

CHLORODIBROMOACETIC ACID

DIBROMOACETIC ACID

DICHLOROACETIC ACID

TRIBROMOACETIC ACID

TRICHLOROACETIC ACID

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**VOLATILE ORGANICS**

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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)

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**PESTICIDES/ PCB'S**

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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)

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**HERBICIDES**

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

2,4-D (SOC)

DALAPON (SOC)

DICAMBA

DINOSEB (SOC)

DIQUAT (SOC)

GLYPHOSATE (SOC)

PENTACHLOROPHENOL (SOC)

PICLORAM (SOC)

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**PHTHALATE ESTERS & ADIPATES**

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BIS (2 - ETHYLHEXYL) ADIPATE (SOC)

BIS (2-EHTYLHEXYL) PHTHALATE (SOC)

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**PAHS**

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BENZO(a) PYRENE (SOC)

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**TRIAZINE PESTICIDES**

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ALACHLOR (SOC)

ATRAZINE (SOC)

BUTACHLOR

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METOLACHLOR  
SIMAZINE (SOC)

PROPACHLOR

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**CARBAMATE PESTICIDES**

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3 - HYDROXYCARBOFURAN

ALDICARB (SOC)

ALDICARB SULFONE (SOC)

ALDICARB SULFOXIDE (SOC)

CARBARYL

CARBOFURAN (SOC)

METHOMYL

OXAMYL (SOC)

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**RADIOCHEMICALS**

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URANIUM - EPA 200.8

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# NON-POTABLE WATER/ WASTEWATER (CWA)

STATUS REPORTED ON 8/3/2018

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## ANALYTE NAME

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### MICROBIOLOGY/BACTERIA

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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)	

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### PHYSICALS

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COLOR	CONDUCTIVITY
ODOR	pH
TEMPERATURE	TURBIDITY

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### MINERALS

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

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### NUTRIENTS

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AMMONIA	KJELDAHL NITROGEN
NITRATE	NITRITE
O-PHOSPHATE	TOTAL PHOSPHOROUS

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### METALS

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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

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ZINC

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**RESIDUE**

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TOTAL DISSOLVED SOLIDS	TOTAL RESIDUE (SOLIDS)
TOTAL SUSPENDED SOLIDS	TOTAL VOLATILE RESIDUE

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**DEMANDS**

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BOD	
CARBONACEOUS BOD	COD
TOTAL ORGANIC CARBON	

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**MISCELLANEOUS**

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CYANIDE (TOTAL)	
FOAMING AGENTS (MBAS)	PHENOLICS

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**VOLATILE ORGANICS**

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VOLATILE ORGANICS - 624.1

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**PESTICIDES/ PCB'S**

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CHLORDANE (TECHNICAL)	ORGANOCHLORINE PESTICIDES - 608.3
PCBs - 608.3	TOXAPHENE

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**SOLVENTS**

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CT Extractable Petroleum Hydrocarbons (ETPH)	
OIL & GREASE	TPH (HEM/SGT)

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**HERBICIDES**

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2,4,5-T	
2,4,5-TP (SILVEX)	2,4-D

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**ORGANICS**

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ACID EXTRACTABLES (PHENOLS)	BENZIDINES
CHLORINATED HYDROCARBONS	HALOETHERS
NITROAROMATICS & ISOPHORONE	NITROSAMINES
PHTHALATE ESTERS	POLYNUCLEAR AROMATIC HYDROCARBONS

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**SEMIVOLATILES**

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SEMIVOLATILES - 625.1

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# RECREATIONAL WATER

STATUS REPORTED ON 8/3/2018

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## ANALYTE NAME

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MICROBIOLOGY/BACTERIA

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E. COLI - COLILERT (SM9223 Enumeration)

ENTEROCOCCUS - MF mEI Agar (EPA1600)



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# SOLID WASTE/SOIL (RCRA)

STATUS REPORTED ON 8/3/2018

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## ANALYTE NAME

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### PHYSICALS

pH

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### MINERALS

SULFIDE

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### NUTRIENTS

KJELDAHL NITROGEN

TOTAL PHOSPHOROUS

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### METALS

ALUMINUM

ANTIMONY

BARIUM

BORON

CALCIUM

CHROMIUM - Hexavalent

COPPER

LEAD

MERCURY

POTASSIUM

SILVER

THALLIUM

VANADIUM

ARSENIC

BERYLLIUM

CADMIUM

CHROMIUM

COBALT

IRON

MAGNESIUM

NICKEL

SELENIUM

SODIUM

TIN

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### MISCELLANEOUS

CORROSIVITY

IGNITABILITY

TCLP LEACH (1311)

CYANIDE (TOTAL)

SPLP LEACH (1312)

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### PESTICIDES/ PCB'S

CHLORDANE (TECHNICAL)

ORGANOCHLORINE PESTICIDES (Single Response)

POLYCHLORINATED BIPHENYLS

PCB IN OIL

TOXAPHENE

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### SOLVENTS

CT Extractable Petroleum Hydrocarbons (ETPH)

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### RCRA (SW-846) ORGANICS

3,3'-DICHLOROBENZIDINE (SW 8270)

ACID EXTRACTABLES (PHENOLS) (SW 8270)

CHLORINATED HYDROCARBONS (SW 8270)

HALOETHERS (SW 8270)

NITROSOAMINES (SW 8270)

PHTHALATES (SW 8270)

NITROAROMATICS & CYCLIC KETONES (SW  
8270)

PAH's (SW 8270)

VOLATILE ORGANICS (SW 8260)

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**ENVIRONMENTAL HEALTH & HOUSING**

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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 8/3/2018

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