



**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF GENERAL SERVICES  
DIVISION OF CONSOLIDATED LABORATORY SERVICES**



**Certifies that**

**VA Laboratory ID#: 460285  
Microbac Laboratories Inc., Baltimore Division  
2101 Van Deman Street  
Baltimore, MD 21224**

**Owner: J. TREVOR BOYCE  
Operator: PETER INDICK  
Responsible Official: MAHYAR SAKARI**

Having met the requirements of 1 VAC 30-46 and  
having been found compliant with the 2016 TNI Standard approved by The NELAC Institute  
is hereby approved as an  
**Accredited Environmental Laboratory**

As more fully described in the attached Scope of Accreditation

**Effective Date: March 15, 2023  
Expiration Date: March 14, 2024  
Certificate # 12298**

A handwritten signature in black ink that reads 'Denise M. Toney'.

**Denise M. Toney, Ph.D., HCLD  
DGS Deputy Director for Laboratories**

Continued accreditation status depends on successful ongoing participation in the program.  
Certificate to be conspicuously displayed at the laboratory.  
Not valid unless accompanied by a valid Virginia Environmental Laboratory Accreditation Program (VELAP)  
Scope of Accreditation.  
Customers are urged to verify the laboratory's current accreditation status.



**Commonwealth of Virginia**  
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**Scope of Accreditation**

VELAP Certificate No.: 12298

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**DRINKING WATER**

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 180.1 REV 2	TURBIDITY	FL
EPA 200.7 REV 4.4	BARIUM	FL
EPA 200.7 REV 4.4	CADMIUM	FL
EPA 200.7 REV 4.4	CHROMIUM	FL
EPA 200.7 REV 4.4	MAGNESIUM	FL
EPA 200.7 REV 4.4	NICKEL	FL
EPA 200.7 REV 4.4	SILVER	FL
EPA 200.7 REV 4.4	ZINC	FL
EPA 200.8 REV 5.4	ANTIMONY	FL
EPA 200.8 REV 5.4	BARIUM	FL
EPA 200.8 REV 5.4	CADMIUM	FL
EPA 200.8 REV 5.4	COPPER	FL
EPA 200.8 REV 5.4	MANGANESE	FL
EPA 200.8 REV 5.4	SELENIUM	FL
EPA 200.8 REV 5.4	THALLIUM	FL
EPA 245.1 REV 3	MERCURY	FL
EPA 353.2 REV 2	NITRATE AS N	FL
EPA 353.2 REV 2	NITRITE AS N	FL
SM 2320 B-2011	ALKALINITY AS CaCO3	FL
SM 2540 C-2011	RESIDUE-FILTERABLE (TDS)	FL
SM 4500-H+ B-2011	PH	FL
SM 9215 B-2004	HETEROTROPHIC PLATE COUNT	FL
SM 9223 COLILERT MPN	TOTAL COLIFORMS	FL
SM 9223 COLILERT P/A	TOTAL COLIFORMS	FL

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 200.7 REV 4.4	ALUMINUM	FL
EPA 200.7 REV 4.4	BERYLLIUM	FL
EPA 200.7 REV 4.4	CALCIUM	FL
EPA 200.7 REV 4.4	IRON	FL
EPA 200.7 REV 4.4	MANGANESE	FL
EPA 200.7 REV 4.4	SILICA AS SiO2	FL
EPA 200.7 REV 4.4	SODIUM	FL
EPA 200.8 REV 5.4	ALUMINUM	FL
EPA 200.8 REV 5.4	ARSENIC	FL
EPA 200.8 REV 5.4	BERYLLIUM	FL
EPA 200.8 REV 5.4	CHROMIUM	FL
EPA 200.8 REV 5.4	LEAD	FL
EPA 200.8 REV 5.4	NICKEL	FL
EPA 200.8 REV 5.4	SILVER	FL
EPA 200.8 REV 5.4	ZINC	FL
EPA 335.4 REV 1.0	CYANIDE	FL
EPA 353.2 REV 2	NITRATE/NITRITE	FL
SM 2120 B-2011	COLOR	FL
SM 2510 B-2011	CONDUCTIVITY	FL
SM 4500-CL G-2011	RESIDUAL FREE CHLORINE	FL
SM 4500-P E-2011	ORTHOPHOSPHATE AS P	FL
SM 9223 COLILERT MPN	ESCHERICHIA COLI	FL
SM 9223 COLILERT P/A	ESCHERICHIA COLI	FL

**NON-POTABLE WATER**

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
ENTEROLERT®	ENTEROCOCCI	FL
EPA 180.1 REV 2	TURBIDITY	FL
EPA 200.7 REV 4.4	ANTIMONY	FL
EPA 200.7 REV 4.4	BARIUM	FL
EPA 200.7 REV 4.4	BORON	FL
EPA 200.7 REV 4.4	CALCIUM	FL
EPA 200.7 REV 4.4	COBALT	FL
EPA 200.7 REV 4.4	IRON	FL
EPA 200.7 REV 4.4	MAGNESIUM	FL
EPA 200.7 REV 4.4	MOLYBDENUM	FL
EPA 200.7 REV 4.4	POTASSIUM	FL

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 1664 A	OIL AND GREASE (AS N-HEXANE EXTRACTABLE MATERIAL (HEM))	FL
EPA 200.7 REV 4.4	ALUMINUM	FL
EPA 200.7 REV 4.4	ARSENIC	FL
EPA 200.7 REV 4.4	BERYLLIUM	FL
EPA 200.7 REV 4.4	CADMIUM	FL
EPA 200.7 REV 4.4	CHROMIUM	FL
EPA 200.7 REV 4.4	COPPER	FL
EPA 200.7 REV 4.4	LEAD	FL
EPA 200.7 REV 4.4	MANGANESE	FL
EPA 200.7 REV 4.4	NICKEL	FL
EPA 200.7 REV 4.4	SELENIUM	FL

This Scope of Accreditation must accompany the Certificate issued by Virginia DCLS with the same Certificate Number indicated above.



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**NON-POTABLE WATER**

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>	<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 200.7 REV 4.4	SILICA AS SiO2	FL	EPA 200.7 REV 4.4	SILVER	FL
EPA 200.7 REV 4.4	SODIUM	FL	EPA 200.7 REV 4.4	THALLIUM	FL
EPA 200.7 REV 4.4	TIN	FL	EPA 200.7 REV 4.4	TITANIUM	FL
EPA 200.7 REV 4.4	TOTAL HARDNESS AS CaCO3	FL	EPA 200.7 REV 4.4	VANADIUM	FL
EPA 200.7 REV 4.4	ZINC	FL	EPA 200.8 REV 5.4	ALUMINUM	FL
EPA 200.8 REV 5.4	ANTIMONY	FL	EPA 200.8 REV 5.4	ARSENIC	FL
EPA 200.8 REV 5.4	BARIUM	FL	EPA 200.8 REV 5.4	BERYLLIUM	FL
EPA 200.8 REV 5.4	CADMIUM	FL	EPA 200.8 REV 5.4	CHROMIUM	FL
EPA 200.8 REV 5.4	COBALT	FL	EPA 200.8 REV 5.4	COPPER	FL
EPA 200.8 REV 5.4	LEAD	FL	EPA 200.8 REV 5.4	MANGANESE	FL
EPA 200.8 REV 5.4	MOLYBDENUM	FL	EPA 200.8 REV 5.4	NICKEL	FL
EPA 200.8 REV 5.4	SELENIUM	FL	EPA 200.8 REV 5.4	SILVER	FL
EPA 200.8 REV 5.4	THALLIUM	FL	EPA 200.8 REV 5.4	VANADIUM	FL
EPA 200.8 REV 5.4	ZINC	FL	EPA 245.1 REV 3	MERCURY	FL
EPA 335.4 REV 1.0	CYANIDE	FL	EPA 351.2 REV 2	KJELDAHL NITROGEN - TOTAL (TKN)	FL
EPA 353.2 REV 2	NITRATE/NITRITE	FL	EPA 353.2 REV 2	NITRITE AS N	FL
EPA 365.1 REV 2	PHOSPHORUS, TOTAL	FL	EPA 410.4 REV 2	CHEMICAL OXYGEN DEMAND (COD)	FL
EPA 6010 D	ALUMINUM	FL	EPA 6010 D	ANTIMONY	FL
EPA 6010 D	ARSENIC	FL	EPA 6010 D	BARIUM	FL
EPA 6010 D	BERYLLIUM	FL	EPA 6010 D	BORON	FL
EPA 6010 D	CADMIUM	FL	EPA 6010 D	CALCIUM	FL
EPA 6010 D	CHROMIUM	FL	EPA 6010 D	COBALT	FL
EPA 6010 D	COPPER	FL	EPA 6010 D	IRON	FL
EPA 6010 D	LEAD	FL	EPA 6010 D	MAGNESIUM	FL
EPA 6010 D	MANGANESE	FL	EPA 6010 D	MOLYBDENUM	FL
EPA 6010 D	NICKEL	FL	EPA 6010 D	POTASSIUM	FL
EPA 6010 D	SELENIUM	FL	EPA 6010 D	SILVER	FL
EPA 6010 D	SODIUM	FL	EPA 6010 D	THALLIUM	FL
EPA 6010 D	TIN	FL	EPA 6010 D	TITANIUM	FL
EPA 6010 D	VANADIUM	FL	EPA 6010 D	ZINC	FL
EPA 6020 B	ALUMINUM	FL	EPA 6020 B	ANTIMONY	FL
EPA 6020 B	ARSENIC	FL	EPA 6020 B	BARIUM	FL
EPA 6020 B	BERYLLIUM	FL	EPA 6020 B	CADMIUM	FL
EPA 6020 B	CALCIUM	FL	EPA 6020 B	CHROMIUM	FL
EPA 6020 B	COBALT	FL	EPA 6020 B	COPPER	FL
EPA 6020 B	LEAD	FL	EPA 6020 B	MAGNESIUM	FL
EPA 6020 B	MANGANESE	FL	EPA 6020 B	MOLYBDENUM	FL
EPA 6020 B	NICKEL	FL	EPA 6020 B	POTASSIUM	FL
EPA 6020 B	SELENIUM	FL	EPA 6020 B	SILVER	FL

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**NON-POTABLE WATER**

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 6020 B	SODIUM	FL
EPA 6020 B	VANADIUM	FL
EPA 7470 A	MERCURY	FL
EPA 9014	CYANIDE	FL
SM 2340 C-2011	TOTAL HARDNESS AS CaCO3	FL
SM 2540 B-2011	RESIDUE-TOTAL (TS)	FL
SM 2540 D-2011	RESIDUE-NONFILTERABLE (TSS)	FL
SM 4500-CN <sup>-</sup> G-2011	CYANIDE, AMENABLE	FL
SM 5210 B-2011	BIOCHEMICAL OXYGEN DEMAND (BOD)	FL
SM 9221 B-2006	TOTAL COLIFORMS	FL
TOTAL KJELDAHL N MINUS AMMONIA N (SM 4500-NH3 D-2011)	ORGANIC NITROGEN	FL

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 6020 B	THALLIUM	FL
EPA 6020 B	ZINC	FL
EPA 9010 B	PREP: CYANIDE DISTILLATION	FL
SM 2320 B-2011	ALKALINITY AS CaCO3	FL
SM 2510 B-2011	CONDUCTIVITY	FL
SM 2540 C-2011	RESIDUE-FILTERABLE (TDS)	FL
SM 2540 F-2011	RESIDUE-SETTLABLE	FL
SM 4500-P F-2011	ORTHOPHOSPHATE AS P	FL
SM 5210 B-2011	CARBONACEOUS BOD (CBOD)	FL
SM 9221 E + C-2006	FECAL COLIFORMS	FL

**SOLID AND CHEMICAL MATERIALS**

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 1311	PREP: TOXICITY CHARACTERISTIC LEACHING PROCEDURE	FL
EPA 6010 D	ANTIMONY	FL
EPA 6010 D	BARIUM	FL
EPA 6010 D	BORON	FL
EPA 6010 D	CALCIUM	FL
EPA 6010 D	COBALT	FL
EPA 6010 D	IRON	FL
EPA 6010 D	LITHIUM	FL
EPA 6010 D	MANGANESE	FL
EPA 6010 D	NICKEL	FL
EPA 6010 D	SELENIUM	FL
EPA 6010 D	SODIUM	FL
EPA 6010 D	THALLIUM	FL
EPA 6010 D	TITANIUM	FL
EPA 6010 D	ZINC	FL
EPA 6020 B	ANTIMONY	FL
EPA 6020 B	BARIUM	FL
EPA 6020 B	CADMIUM	FL
EPA 6020 B	CHROMIUM	FL
EPA 6020 B	COPPER	FL
EPA 6020 B	MAGNESIUM	FL
EPA 6020 B	MOLYBDENUM	FL
EPA 6020 B	POTASSIUM	FL

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 6010 D	ALUMINUM	FL
EPA 6010 D	ARSENIC	FL
EPA 6010 D	BERYLLIUM	FL
EPA 6010 D	CADMIUM	FL
EPA 6010 D	CHROMIUM	FL
EPA 6010 D	COPPER	FL
EPA 6010 D	LEAD	FL
EPA 6010 D	MAGNESIUM	FL
EPA 6010 D	MOLYBDENUM	FL
EPA 6010 D	POTASSIUM	FL
EPA 6010 D	SILVER	FL
EPA 6010 D	STRONTIUM	FL
EPA 6010 D	TIN	FL
EPA 6010 D	VANADIUM	FL
EPA 6020 B	ALUMINUM	FL
EPA 6020 B	ARSENIC	FL
EPA 6020 B	BERYLLIUM	FL
EPA 6020 B	CALCIUM	FL
EPA 6020 B	COBALT	FL
EPA 6020 B	LEAD	FL
EPA 6020 B	MANGANESE	FL
EPA 6020 B	NICKEL	FL
EPA 6020 B	SELENIUM	FL

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<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 6020 B	SILVER	FL
EPA 6020 B	THALLIUM	FL
EPA 6020 B	ZINC	FL
EPA 9014	CYANIDE	FL
EPA 9095 B	FREE LIQUID	FL
SM 2540 G-2011	RESIDUE-VOLATILE	FL

<u>METHOD</u>	<u>ANALYTE</u>	<u>PRIMARY</u>
EPA 6020 B	SODIUM	FL
EPA 6020 B	VANADIUM	FL
EPA 7471 B	MERCURY	FL
EPA 9045 C	PH	FL
SM 2540 G-2011	RESIDUE-TOTAL (TS)	FL