

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2026
Issued April 01, 2025
Revised December 30, 2025

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. ERICA KOZEN
MICROBAC LABORATORIES, INC. - PITTSBURGH
100 MARSHALL DRIVE
WARRENDALE, PA 15086-7554

NY Lab Id No: 10121

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2016) for the category
ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:*

Bacteriology

| | |
|---|-------------------------------------|
| Coliform, Total / E. coli (Qualitative) | SM 20, 21-23 9223B (-04) (Colilert) |
| E. coli (Enumeration) | SM 20, 21-23 9223B (-04) (Colilert) |
| Heterotrophic Plate Count | SM 20, 21-23 9215B (-04) |

Metals I

| | |
|------------------|--------------------|
| Barium, Total | EPA 200.7 Rev. 4.4 |
| Cadmium, Total | EPA 200.7 Rev. 4.4 |
| Chromium, Total | EPA 200.7 Rev. 4.4 |
| Copper, Total | EPA 200.7 Rev. 4.4 |
| Iron, Total | EPA 200.7 Rev. 4.4 |
| Manganese, Total | EPA 200.7 Rev. 4.4 |
| Silver, Total | EPA 200.7 Rev. 4.4 |
| Zinc, Total | EPA 200.7 Rev. 4.4 |

Metals II

| | |
|-------------------|--------------------|
| Aluminum, Total | EPA 200.7 Rev. 4.4 |
| Beryllium, Total | EPA 200.7 Rev. 4.4 |
| Molybdenum, Total | EPA 200.7 Rev. 4.4 |
| Nickel, Total | EPA 200.7 Rev. 4.4 |
| Vanadium, Total | EPA 200.7 Rev. 4.4 |

Metals III

| | |
|------------------|--------------------|
| Boron, Total | EPA 200.7 Rev. 4.4 |
| Calcium, Total | EPA 200.7 Rev. 4.4 |
| Magnesium, Total | EPA 200.7 Rev. 4.4 |
| Potassium, Total | EPA 200.7 Rev. 4.4 |
| Sodium, Total | EPA 200.7 Rev. 4.4 |

Miscellaneous

| | |
|---------------------------|----------------------|
| Organic Carbon, Dissolved | SM 21-23 5310C (-00) |
|---------------------------|----------------------|

Serial No.: 71505

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Miscellaneous

| | |
|-----------------------|--------------------------|
| Organic Carbon, Total | SM 21-23 5310C (-00) |
| Turbidity | EPA 180.1 Rev. 2.0 |
| UV 254 | SM 21-23 5910B (-00,-11) |

Non-Metals

| | |
|-------------------------------|----------------------|
| Alkalinity | SM 21-23 2320B (-97) |
| Chloride | EPA 300.0 Rev. 2.1 |
| Color | SM 21-23 2120B (-01) |
| Fluoride, Total | EPA 300.0 Rev. 2.1 |
| Nitrate (as N) | EPA 300.0 Rev. 2.1 |
| Nitrite (as N) | EPA 300.0 Rev. 2.1 |
| Orthophosphate (as P) | EPA 300.0 Rev. 2.1 |
| Solids, Total Dissolved | SM 21-23 2540C (-97) |
| Specific Conductance | SM 21-23 2510B (-97) |
| Sulfate (as SO ₄) | EPA 300.0 Rev. 2.1 |



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Bacteriology

| | |
|---------------------------|----------------|
| Coliform, Fecal | Colilert-18 |
| E. coli (Enumeration) | SM 9223B-2016 |
| Heterotrophic Plate Count | SM 18-21 9215B |

Demand

| | |
|---------------------------|------------------|
| Biochemical Oxygen Demand | SM 5210B-2016 |
| Carbonaceous BOD | SM 5210B-2016 |
| Chemical Oxygen Demand | Hach 8000 (1979) |

Metals I

| | |
|------------------|---|
| Barium, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |
| Cadmium, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |
| Calcium, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |
| Chromium, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |
| Copper, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |
| Iron, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |
| Lead, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |
| Magnesium, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |
| Manganese, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |

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Metals I

| | |
|------------------|---|
| Nickel, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |
| Potassium, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |
| Silver, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |
| Sodium, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |
| Strontium, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |

Metals II

| | |
|------------------|---|
| Aluminum, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |
| Antimony, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |
| Arsenic, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |
| Beryllium, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |
| Chromium VI | EPA 7196A SM 3500-Cr B-2011 |
| Selenium, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |
| Vanadium, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |
| Zinc, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |

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All approved analytes are listed below:*

Metals III

| | |
|-------------------|---|
| Cobalt, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |
| Molybdenum, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |
| Thallium, Total | EPA 200.7, Rev. 4.4 (1994) |
| Tin, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |
| Titanium, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |

Mineral

| | |
|-------------------------------|----------------------------|
| Acidity | SM 2310B-2011 |
| Alkalinity | SM 2320B-2011 |
| Chloride | EPA 300.0, Rev. 2.1 (1993) |
| Fluoride, Total | EPA 300.0, Rev. 2.1 (1993) |
| Sulfate (as SO ₄) | EPA 300.0, Rev. 2.1 (1993) |

Miscellaneous

| | |
|----------------------------------|---|
| Boron, Total | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |
| Bromide | EPA 300.0, Rev. 2.1 (1993) |
| Color | SM 2120B-2011 |
| Oil and Grease Total Recoverable | EPA 1664B |
| Organic Carbon, Total | SM 5310C-2014 |
| Silica, Dissolved | EPA 200.7, Rev. 4.4 (1994) EPA 6010D |
| Specific Conductance | SM 2510B-2011 |
| Turbidity | EPA 180.1, Rev. 2.0 (1993) |

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Nutrient

| | |
|--------------------------|----------------------------|
| Ammonia (as N) | SM 4500-NH3 F-2011 |
| Kjeldahl Nitrogen, Total | SM 4500-NH3 F-2011 |
| Nitrate (as N) | EPA 300.0, Rev. 2.1 (1993) |
| Nitrite (as N) | EPA 300.0, Rev. 2.1 (1993) |
| Orthophosphate (as P) | EPA 300.0, Rev. 2.1 (1993) |
| Phosphorus, Total | SM 4500-P E-2011 |

Residue

| | |
|-------------------------|-------------------------|
| Settleable Solids | SM 2540 F-2015 |
| Solids, Total | SM 2540 B-2015 |
| Solids, Total Dissolved | SM 2540 C-2015 |
| Solids, Total Suspended | SM 2540 D-2015 |
| Solids, Volatile | EPA 160.4 (Issued 1971) |
| | SM 2540 E-2015 |

Sample Preparation Methods

SM 4500-P B(5)-2011
EPA 3010A
SM 4500-NH3 B-2011
SM 4500-N Org B-2011 or C-2011

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:*

Characteristic Testing

Corrosivity (pH) EPA 9045D

Metals I

Barium, Total EPA 6010D
Cadmium, Total EPA 6010D
Calcium, Total EPA 6010D
Chromium, Total EPA 6010D
Copper, Total EPA 6010D
Iron, Total EPA 6010D
Lead, Total EPA 6010D
Magnesium, Total EPA 6010D
Manganese, Total EPA 6010D
Nickel, Total EPA 6010D
Potassium, Total EPA 6010D
Silver, Total EPA 6010D
Sodium, Total EPA 6010D

Metals II

Aluminum, Total EPA 6010D
Antimony, Total EPA 6010D
Beryllium, Total EPA 6010D
Vanadium, Total EPA 6010D
Zinc, Total EPA 6010D

Metals III

Cobalt, Total EPA 6010D
Molybdenum, Total EPA 6010D
Thallium, Total EPA 6010D
Tin, Total EPA 6010D

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Sample Preparation Methods

EPA 3010A

EPA 3050B



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