

Expires 12:01 AM April 01, 2026 Issued April 01, 2025

NY Lab Id No: 10121

# 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

> 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		
Arsenic, Total	EPA 200.8 Rev. 5.4	
Barium, Total	EPA 200.7 Rev. 4.4	
	EPA 200.8 Rev. 5.4	
Cadmium, Total	EPA 200.7 Rev. 4.4	
	EPA 200.8 Rev. 5.4	
Chromium, Total	EPA 200.7 Rev. 4.4	
	EPA 200.8 Rev. 5.4	
Copper, Total	EPA 200.7 Rev. 4.4	
	EPA 200.8 Rev. 5.4	
Iron, Total	EPA 200.7 Rev. 4.4	
Lead, Total	EPA 200.8 Rev. 5.4	
Manganese, Total	EPA 200.7 Rev. 4.4	
	EPA 200.8 Rev. 5.4	
Selenium, Total	EPA 200.8 Rev. 5.4	
Silver, Total	EPA 200.7 Rev. 4.4	
	EPA 200.8 Rev. 5.4	

Metals II

Zinc. Total

Aluminum, Total EPA 200.7 Rev. 4.4 Antimony, Total EPA 200.8 Rev. 5.4 Beryllium, Total EPA 200.7 Rev. 4.4

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Property of the New York State Department of Health. Certificates are valid only at the address shown and must be conspicuously posted by the laboratory. Continued accreditation depends on the laboratory's successful ongoing participation in the Program. Consumers may verify a laboratory's accreditation status online at https://apps.health.ny.gov/pubdoh/applinks/wc/elappublicweb/, by phone (518) 485-5570 or by email to elap@health.ny.gov.

EPA 200.7 Rev. 4.4 EPA 200.8 Rev. 5.4





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All approved analytes are listed below:

#### Metals II

Beryllium, Total	EPA 200.8 Rev. 5.4
Molybdenum, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Nickel, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Thallium, Total	EPA 200.8 Rev. 5.4
Vanadium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4

### 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)
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

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#### Non-Metals

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 SO4) 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

EPA 200.8, Rev. 5.4 (1994)

Cadmium, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010D

EPA 200.8, Rev. 5.4 (1994)

Calcium, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010D

Chromium, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010D

EPA 200.8, Rev. 5.4 (1994)

Copper, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010D

EPA 200.8, Rev. 5.4 (1994)

Iron, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010D

Lead, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010D

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#### Metals I

Lead, Total EPA 200.8, Rev. 5.4 (1994)
Magnesium, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010D

Manganese, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010D

EPA 200.8, Rev. 5.4 (1994)

Nickel, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010D

EPA 200.8, Rev. 5.4 (1994)

Potassium, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010D

Silver, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010D

EPA 200.8, Rev. 5.4 (1994)

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

EPA 200.8, Rev. 5.4 (1994)

Arsenic, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010D

EPA 200.8, Rev. 5.4 (1994)

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#### Metals II

Beryllium, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010D

EPA 200.8, Rev. 5.4 (1994)

Chromium VI EPA 7196A

SM 3500-Cr B-2011

Selenium, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010D

EPA 200.8, Rev. 5.4 (1994)

Vanadium, Total EPA 200.7, Rev. 4.4 (1994)

**EPA 6010D** 

EPA 200.8, Rev. 5.4 (1994)

Zinc, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010D

EPA 200.8, Rev. 5.4 (1994)

Metals III

Cobalt, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010D

EPA 200.8, Rev. 5.4 (1994)

Molybdenum, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010D

EPA 200.8, Rev. 5.4 (1994)

Thallium, Total EPA 200.7, Rev. 4.4 (1994)

EPA 200.8, Rev. 5.4 (1994)

Tin, Total EPA 200.7, Rev. 4.4 (1994)

**EPA 6010D** 

Titanium, Total EPA 200.7, Rev. 4.4 (1994)

EPA 6010D

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#### 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 SO4)
 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
non-Polar Extractable Material (TPH) EPA 1664B
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)

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

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#### Residue

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

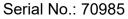
#### **Sample Preparation Methods**

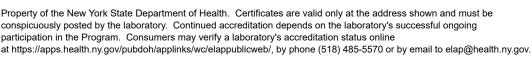
SM 4500-P B(5)-2011

EPA 3010A

SM 4500-NH3 B-2011

SM 4500-N Org B-2011 or C-2011









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#### **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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