

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

NY Lab Id No: 12150

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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

MS. MARY E. CICHOCKI MICROBAC LABORATORIES, INC - PITTSTON 428 ROUTE 315 HIGHWAY PITTSTON. PA 18640

> 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 SimPlate

Disinfection By-products

Bromide EPA 300.0 Rev. 2.1

Fuel Additives

Chromium, Total

Copper, Total

Methyl tert-butyl ether EPA 524.2 Naphthalene EPA 524.2

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

EPA 200.8 Rev. 5.4

EPA 200.7 Rev. 4.4

EPA 200.8 Rev. 5.4

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

 Mercury, Total
 EPA 200.8 Rev. 5.4

 Selenium, Total
 EPA 200.8 Rev. 5.4

 Silver, Total
 EPA 200.8 Rev. 5.4

 Zinc, Total
 EPA 200.7 Rev. 4.4

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Metals II

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

Odor	SM 21-23 2150 B (-97)
Surfactant (MBAS)	SM 21-23 5540C (-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)
Cyanide	EPA 335.4 Rev. 1.0

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Non-Metals

Fluoride, Total	EPA 300.0 Rev. 2.1
Nitrate (as N)	EPA 353.2 Rev. 2.0
	EPA 300.0 Rev. 2.1
Nitrite (as N)	EPA 353.2 Rev. 2.0
	EPA 300.0 Rev. 2.1
Orthophosphate (as P)	EPA 300.0 Rev. 2.1
	SM 19, 21-23 4500-P E (-99)
Silica, Total	SM 21-23 4500-SiO2 C (-97)
Solids, Total Dissolved	SM 21-23 2540C (-97)
Specific Conductance	SM 21-23 2510B (-97)
Sulfate (as SO4)	EPA 300.0 Rev. 2.1
Trihalomethanes	

Trihalomethanes

Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Chloroform	EPA 524.2
Dibromochloromethane	EPA 524.2
Total Trihalomethanes	EPA 524.2

Volatile Aromatics

1,2,3-Trichlorobenzene	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2
1,2,4-Trimethylbenzene	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2
1,3-Dichlorobenzene	EPA 524.2
1,4-Dichlorobenzene	EPA 524.2
2-Chlorotoluene	EPA 524.2

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Volatile Aromatics

4-Chlorotoluene	EPA 524.2
Benzene	EPA 524.2
Bromobenzene	EPA 524.2
Chlorobenzene	EPA 524.2
Ethyl benzene	EPA 524.2
Hexachlorobutadiene	EPA 524.2
Isopropylbenzene	EPA 524.2
n-Butylbenzene	EPA 524.2
n-Propylbenzene	EPA 524.2
p-Isopropyltoluene (P-Cymene)	EPA 524.2
sec-Butylbenzene	EPA 524.2
Styrene	EPA 524.2
tert-Butylbenzene	EPA 524.2
Toluene	EPA 524.2
Total Xylenes	EPA 524.2
Volatila Halocarbons	

Volatile Halocarbons

EPA 524.2
EPA 524.2

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Volatile Halocarbons

2,2-Dichloropropane	EPA 524.2
Bromochloromethane	EPA 524.2
Bromomethane	EPA 524.2
Carbon tetrachloride	EPA 524.2
Chloroethane	EPA 524.2
Chloromethane	EPA 524.2
cis-1,2-Dichloroethene	EPA 524.2
cis-1,3-Dichloropropene	EPA 524.2
Dibromomethane	EPA 524.2
Dichlorodifluoromethane	EPA 524.2
Methylene chloride	EPA 524.2
Tetrachloroethene	EPA 524.2
trans-1,2-Dichloroethene	EPA 524.2
trans-1,3-Dichloropropene	EPA 524.2
Trichloroethene	EPA 524.2
Trichlorofluoromethane	EPA 524.2
Vinyl chloride	EPA 524.2

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Bacteriology

Coliform, Fecal Colilert-18

E. coli (Enumeration) SM 9223B-2016

Heterotrophic Plate Count SimPlate

Demand

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

Fuel Oxygenates

Copper, Total

Methyl tert-butyl ether EPA 624.1

Metals I

Barium, Total EPA 200.7, Rev. 4.4 (1994)
EPA 200.8, Rev. 5.4 (1994)
Cadmium, Total EPA 200.7, Rev. 4.4 (1994)
EPA 200.8, Rev. 5.4 (1994)

Calcium, Total EPA 200.7, Rev. 4.4 (1994)
Chromium, Total EPA 200.7, Rev. 4.4 (1994)
EPA 200.8, Rev. 5.4 (1994)

EPA 200.7, Rev. 4.4 (1994) EPA 200.8, Rev. 5.4 (1994)

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

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

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

EPA 200.8, Rev. 5.4 (1994)

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

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Metals I

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Nickel, Total	EPA 200.8, Rev. 5.4 (1994)
Potassium, Total	EPA 200.7, Rev. 4.4 (1994)
Silver, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 200.8, Rev. 5.4 (1994)
Sodium, Total	EPA 200.7, Rev. 4.4 (1994)
Metals II	
Aluminum, Total	EPA 200.7, Rev. 4.4 (1994)
Antimony, Total	EPA 200.7, Rev. 4.4 (1994)

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

EPA 200.8, Rev. 5.4 (1994)

Beryllium, Total EPA 200.8, Rev. 5.4 (1994)

Chromium VI SM 3500-Cr B-2011

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

EPA 200.8, Rev. 5.4 (1994)

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

EPA 200.8, Rev. 5.4 (1994)

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

Metals III

Cobalt, Total	EPA 200.7, Rev. 4.4 (1994)
	EPA 200.8, Rev. 5.4 (1994)
Molybdenum, Total	EPA 200.7, Rev. 4.4 (1994)
	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)

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Metals III

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

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)
Bromide EPA 300.0, Rev. 2.1 (1993)

Color SM 2120B-2011

Cyanide, Total EPA 335.4, Rev. 1.0 (1993)

Oil and Grease Total Recoverable EPA 1664A

Phenols EPA 420.4, Rev. 1.0 (1993)

 Specific Conductance
 SM 2510B-2011

 Sulfide (as S)
 SM 4500-S2- F-2011

 Surfactant (MBAS)
 SM 5540C-2011

Turbidity EPA 180.1, Rev. 2.0 (1993)

Nutrient

Ammonia (as N) EPA 350.1, Rev. 2.0 (1993)

Kjeldahl Nitrogen, Total EPA 351.2, Rev. 2.0 (1993)

Nitrate (as N) EPA 353.2, Rev. 2.0 (1993)

EPA 300.0, Rev. 2.1 (1993)

Nitrate-Nitrite (as N) EPA 353.2, Rev. 2.0 (1993)

EPA 353.2, Rev. 2.0 (1993)

EPA 350.0, Rev. 2.1 (1993)

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Nutrient

Orthophosphate (as P) EPA 365.3 (Issued 1978)

EPA 300.0, Rev. 2.1 (1993)

Phosphorus, Total EPA 365.1, Rev. 2.0 (1993)

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

EDA 624 4

Volatile Aromatics

1,2-Dichlorobenzene	EPA 624.1
1,3-Dichlorobenzene	EPA 624.1
1,4-Dichlorobenzene	EPA 624.1
Benzene	EPA 624.1
Chlorobenzene	EPA 624.1
Ethyl benzene	EPA 624.1
m/p-Xylenes	EPA 624.1
Naphthalene, Volatile	EPA 624.1
o-Xylene	EPA 624.1
Styrene	EPA 624.1
Toluene	EPA 624.1
Total Xylenes	EPA 624.1

Volatile Halocarbons

1,1,1-Trichloroethane EPA 624.1 1,1,2,2-Tetrachloroethane EPA 624.1

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Volatile Halocarbons

1,1,2-Trichloroethane	EPA 624.1	
1,1-Dichloroethane	EPA 624.1	
1,1-Dichloroethene	EPA 624.1	
1,2-Dichloroethane	EPA 624.1	
1,2-Dichloropropane	EPA 624.1	
2-Chloroethylvinyl ether	EPA 624.1	
Bromodichloromethane	EPA 624.1	
Bromoform	EPA 624.1	
Bromomethane	EPA 624.1	
Carbon tetrachloride	EPA 624.1	
Chloroethane	EPA 624.1	
Chloroform	EPA 624.1	
Chloromethane	EPA 624.1	
cis-1,2-Dichloroethene	EPA 624.1	
cis-1,3-Dichloropropene	EPA 624.1	
Dibromochloromethane	EPA 624.1	
Methylene chloride	EPA 624.1	
Tetrachloroethene	EPA 624.1	
trans-1,2-Dichloroethene	EPA 624.1	
trans-1,3-Dichloropropene	EPA 624.1	
Trichloroethene	EPA 624.1	
Trichlorofluoromethane	EPA 624.1	
Vinyl chloride	EPA 624.1	
Volatiles Organics		
4-Methyl-2-Pentanone	EPA 624.1	
\C 1 1 1	EDA 004.4	

Vinyl acetate EPA 624.1

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