

The Commonwealth of Massachusetts



Department of Environmental Protection

*Division of Environmental Analysis
Senator William X. Wall Experiment Station*

certifies

M-PA1401

**MICROBAC LABORATORIES INC
CENTRAL PENNSYLVANIA DIVISION
4359 LINGLESTOWN RD
HARRISBURG, PA 17112-0000**

Laboratory Director: **CHERIE GUDZ**

for the analysis of **NON POTABLE WATER (CHEMISTRY)
POTABLE WATER (CHEMISTRY)**

pursuant to 310 CMR 42.00

This certificate supersedes all previous Massachusetts certificates issued to this laboratory. The laboratory is regulated by and shall be responsible for being in compliance with Massachusetts regulations at 310 CMR 42.00.

This certificate is valid only when accompanied by the latest dated Certified Parameter List as issued by the Massachusetts D.E.P. Contact the Division of Environmental Analysis to verify the current certification status of the laboratory.

Certification is no guarantee of the validity of the data. This certification is subject to unannounced laboratory inspections.



Director, Division of Environmental Analysis

Issued: **01 JUL 2011**

Expires: **30 JUN 2012**

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 23 JAN 2012

M-PA1401 MICROBAC LABORATORIES INC
HARRISBURG PA

NON POTABLE WATER (CHEMISTRY) Effective Date 23 JAN 2012 Expiration Date 30 JUN 2012

Analytes

Methods

CHEMICAL OXYGEN DEMAND	SM 5220D
BIOCHEMICAL OXYGEN DEMAND	SM 5210B
CYANIDE, TOTAL	SM 4500-CN-C,E
PHENOLICS, TOTAL	EPA 420.1
VOLATILE HALOCARBONS	EPA 624
VOLATILE AROMATICS	EPA 624

POTABLE WATER (CHEMISTRY) Effective Date 23 JAN 2012 Expiration Date 30 JUN 2012

Analytes

Methods

ANTIMONY	EPA 200.8
ARSENIC	EPA 200.8
BARIUM	EPA 200.7
BARIUM	EPA 200.8
BERYLLIUM	EPA 200.8
CADMIUM	EPA 200.8
CHROMIUM	EPA 200.7
CHROMIUM	EPA 200.8
COPPER	EPA 200.7
COPPER	EPA 200.8
LEAD	EPA 200.8
MERCURY	EPA 245.1
MERCURY	EPA 200.8
NICKEL	EPA 200.7
NICKEL	EPA 200.8
SELENIUM	EPA 200.8
SELENIUM	SM 3113B
SILVER	EPA 200.8
THALLIUM	EPA 200.8
NITRATE-N	EPA 300.0
NITRITE-N	EPA 300.0
SODIUM	EPA 200.7
SULFATE	EPA 300.0
CYANIDE, TOTAL	SM 4500-CN-C,E
CALCIUM	EPA 200.7
ALKALINITY, TOTAL	SM 2320B
2,4-D	EPA 515.3
2,4,5-TP	EPA 515.3
DALAPON	EPA 515.3
DINOSEB	EPA 515.3
PENTACHLOROPHENOL	EPA 515.3
PICLORAM	EPA 515.3
ALACHLOR	EPA 505

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 23 JAN 2012

M-PA1401 MICROBAC LABORATORIES INC
HARRISBURG PA

POTABLE WATER (CHEMISTRY)	Effective Date	23 JAN 2012	Expiration Date	30 JUN 2012
<u>Analytes</u>			<u>Methods</u>	
ATRAZINE			EPA 525.2	
CHLORDANE			EPA 505	
ENDRIN			EPA 505	
HEPTACHLOR EPOXIDE			EPA 505	
HEXACHLOROBENZENE			EPA 505	
HEXACHLOROCYCLOPENTADIENE			EPA 505	
LINDANE			EPA 505	
METHOXYCHLOR			EPA 505	
TOXAPHENE			EPA 505	
ADIPATES/PHTHALATES			EPA 525.2	
TRIHALOMETHANES			EPA 524.2	
VOLATILE ORGANIC COMPOUNDS			EPA 524.2	
1,2-DIBROMOETHANE			EPA 504.1	
1,2-DIBROMO-3-CHLOROPROPANE			EPA 504.1	
HALOACETIC ACIDS			SM 6251B	
DIQUAT			EPA 549.2	

COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 23 JAN 2012

M-PA1401 MICROBAC LABORATORIES INC
HARRISBURG PA

NON POTABLE WATER (CHEMISTRY)	Effective Date	23 JAN 2012	Expiration Date	30 JUN 2012
<u>Analytes</u>			<u>Methods</u>	
ALUMINUM			EPA 200.7	
ALUMINUM			EPA 200.8	
ANTIMONY			EPA 200.7	
ANTIMONY			EPA 200.8	
ARSENIC			EPA 200.7	
ARSENIC			EPA 200.8	
BERYLLIUM			EPA 200.7	
CADMIUM			EPA 200.7	
CADMIUM			EPA 200.8	
CHROMIUM			EPA 200.7	
CHROMIUM			EPA 200.8	
COBALT			EPA 200.7	
COBALT			EPA 200.8	
COPPER			EPA 200.7	
COPPER			EPA 200.8	
IRON			EPA 200.7	
LEAD			EPA 200.7	
LEAD			EPA 200.8	
MANGANESE			EPA 200.7	
MANGANESE			EPA 200.8	
MOLYBDENUM			EPA 200.8	
NICKEL			EPA 200.7	
SELENIUM			EPA 200.7	
SELENIUM			EPA 200.8	
SILVER			EPA 200.7	
SILVER			EPA 200.8	
THALLIUM			EPA 200.7	
THALLIUM			EPA 200.8	
VANADIUM			EPA 200.7	
VANADIUM			EPA 200.8	
ZINC			EPA 200.7	
ZINC			EPA 200.8	
CALCIUM			EPA 200.7	
MAGNESIUM			EPA 200.7	
SODIUM			EPA 200.7	
POTASSIUM			EPA 200.7	
ALKALINITY, TOTAL			SM 2320B	
CHLORIDE			EPA 300.0	
FLUORIDE			EPA 300.0	
SULFATE			EPA 300.0	
AMMONIA-N			SM18-B,F/19,20-B,D-ELC	
NITRATE-N			EPA 300.0	
PHOSPHORUS, TOTAL			SM 4500-P-B,E	