

COMMONWEALTH OF KENTUCKY

Energy and Environment Cabinet

2023

Drinking Water Laboratory Certification Program

Under The Safe Drinking Water Act and In Accordance with 401 KAR Chapter 8

THIS CERTIFIES THAT

Microbac Laboratories Ohio Division
158 Starlite Dr
Marietta, OH 45750
Laboratory ID Number: KY98026



The above laboratory has complied with Kentucky Administrative Regulation 401 KAR 8:040, Drinking Water Laboratory Certification Program, for the analyses of drinking water samples, as specified in 42 U.S.C. 300f-300j-26, for the method-analyte pairs specified on the attached certification list.

Effective From: March 31, 2023

To: December 31, 2023

Handwritten signature of Patrick Garrity in black ink.

Laboratory Certification Officer
Signed by: Patrick Garrity

Handwritten signature of Kevin Stewart in black ink.

Certification Program Manager
Signed by: Kevin Stewart

Microbac Laboratories Ohio Division
98026

Effective: March 31, 2023

KY Category	CAS #	Analyte	Status	Reference Method	Method Code for PT Reporting	MRL	MRL Units
All Other DW Chem Analysis (Incl. RADs)	7440-36-0	Antimony, Total (as Sb)	Certified	EPA 200.8	10014605	0.0020	mg/L
All Other DW Chem Analysis (Incl. RADs)	7440-39-3	Barium, Total (as Ba)	Certified	EPA 200.7	10013806	0.01	mg/L
All Other DW Chem Analysis (Incl. RADs)	7440-39-3	Barium, Total (as Ba)	Certified	EPA 200.8	10014605	0.0030	mg/L
All Other DW Chem Analysis (Incl. RADs)	7440-43-9	Cadmium, Total (as Cd)	Certified	EPA 200.8	10014605	0.0006	mg/L
All Other DW Chem Analysis (Incl. RADs)	7440-47-3	Chromium, Total (as Cr)	Certified	EPA 200.7	10013806	0.0050	mg/L
All Other DW Chem Analysis (Incl. RADs)	7440-47-3	Chromium, Total (as Cr)	Certified	EPA 200.8	10014605	0.0070	mg/L
All Other DW Chem Analysis (Incl. RADs)	7440-50-8	Copper, Total	Certified	EPA 200.7	10013806	0.01	mg/L
All Other DW Chem Analysis (Incl. RADs)	7440-50-8	Copper, Total	Certified	EPA 200.8	10014605	0.0020	mg/L
All Other DW Chem Analysis (Incl. RADs)		Foaming Agents	Certified	SM 5540 C 22nd Ed.	20144814	0.20	mg/L
All Other DW Chem Analysis (Incl. RADs)		Hardness, Total (as CaCO ₃)	Certified	SM 2340 B 22nd Ed.	20046417		mg/L
All Other DW Chem Analysis (Incl. RADs)	7439-89-6	Iron, Total (as Fe)	Certified	EPA 200.7	10013806	0.10	mg/L
All Other DW Chem Analysis (Incl. RADs)	7439-92-1	Lead, Total (as Pb)	Certified	EPA 200.8	10014605	0.0010	mg/L
All Other DW Chem Analysis (Incl. RADs)	7439-95-4	Magnesium, Total (as Mg)	Certified	EPA 200.7	10013806	0.50	mg/L
All Other DW Chem Analysis (Incl. RADs)	7439-96-5	Manganese, Total (as Mn)	Certified	EPA 200.7	10013806	0.01	mg/L
All Other DW Chem Analysis (Incl. RADs)	7439-96-5	Manganese, Total (as Mn)	Certified	EPA 200.8	10014605	0.0040	mg/L
All Other DW Chem Analysis (Incl. RADs)	7439-97-6	Mercury, Total (as Hg)	Certified	EPA 245.1	10036609	0.0002	mg/L



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All Other DW Chem Analysis (Incl. RADs)	7440-02-0	Nickel, Total (as Ni)	Certified	EPA 200.7	10013806	0.02	mg/L
All Other DW Chem Analysis (Incl. RADs)	7440-02-0	Nickel, Total (as Ni)	Certified	EPA 200.8	10014605	0.0040	mg/L
All Other DW Chem Analysis (Incl. RADs)	84145-82-4	Nitrate	Certified	EPA 300.0	10053200	0.60	mg/L
All Other DW Chem Analysis (Incl. RADs)	84145-82-4	Nitrate	Certified	EPA 353.2	10067604	0.05	mg/L
All Other DW Chem Analysis (Incl. RADs)	84145-82-4	Nitrate	Certified	SM 4500-NO ₃ ⁻ F 22nd Ed.	20116410	0.05	mg/L
All Other DW Chem Analysis (Incl. RADs)	7782-49-2	Selenium, Total (as Se)	Certified	EPA 200.8	10014605	0.0010	mg/L
All Other DW Chem Analysis (Incl. RADs)	7440-22-4	Silver, Total (as Ag)	Certified	EPA 200.7	10013806	0.01	mg/L
All Other DW Chem Analysis (Incl. RADs)	7440-22-4	Silver, Total (as Ag)	Certified	EPA 200.8	10014605	0.0010	mg/L
All Other DW Chem Analysis (Incl. RADs)	7440-23-5	Sodium, Total (as Na)	Certified	EPA 200.7	10013806	0.50	mg/L
All Other DW Chem Analysis (Incl. RADs)		Solids, Total Dissolved	Certified	SM 2540 C 23rd Ed.	20050457	20	mg/L
All Other DW Chem Analysis (Incl. RADs)	14808-79-8	Sulfate, Total (as SO ₄)	Certified	EPA 300.0	10053200	1	mg/L
All Other DW Chem Analysis (Incl. RADs)	14808-79-8	Sulfate, Total (as SO ₄)	Certified	EPA 375.4	10073800	5	mg/L
All Other DW Chem Analysis (Incl. RADs)	14808-79-8	Sulfate, Total (as SO ₄)	Certified	SM 4500-SO ₄ ⁻ E 22nd Ed.	20132836	5	mg/L
All Other DW Chem Analysis (Incl. RADs)	7440-28-0	Thallium, Total	Certified	EPA 200.8	10014605	0.0002	mg/L
All Other DW Chem Analysis (Incl. RADs)	7440-66-6	Zinc, Total (as Zn)	Certified	EPA 200.7	10013806	0.0250	mg/L
All Other DW Chem Analysis (Incl. RADs)	7440-66-6	Zinc, Total (as Zn)	Certified	EPA 200.8	10014605	0.03	mg/L



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All Other DW Chem Analysis (Incl. RADs)		pH	Certified	EPA 150.1	10008409		S.U.
All Other DW Chem Analysis (Incl. RADs)		pH	Certified	SM 4500-H+ B 22nd Ed.	20105015		S.U.
Synthetic Organic Chemicals	96-12-8	1,2-Dibromo-3-chloropropane	Certified	EPA 504.1	10082801	0.0220	ug/L
Synthetic Organic Chemicals	106-93-4	1,2-Dibromoethane (EDB)	Certified	EPA 504.1	10082801	0.0220	ug/L
Synthetic Organic Chemicals	13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) (GenX)	Certified	EPA 533	10091619	2	ng/L
Synthetic Organic Chemicals	13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) (GenX)	Certified	EPA 537.1	10091642	2	ng/L
Synthetic Organic Chemicals	375-73-5	Perfluorobutanesulfonic Acid (PFBS)	Certified	EPA 533	10091619	2	ng/L
Synthetic Organic Chemicals	375-73-5	Perfluorobutanesulfonic Acid (PFBS)	Certified	EPA 537.1	10091642	2	ng/L
Synthetic Organic Chemicals	355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	Certified	EPA 533	10091619	2	ng/L
Synthetic Organic Chemicals	355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	Certified	EPA 537.1	10091642	2	ng/L
Synthetic Organic Chemicals	375-95-1	Perfluorononanoic Acid (PFNA)	Certified	EPA 533	10091619	2	ng/L
Synthetic Organic Chemicals	375-95-1	Perfluorononanoic Acid (PFNA)	Certified	EPA 537.1	10091642	2	ng/L
Synthetic Organic Chemicals	335-67-1	Perfluorooctanoic Acid (PFOA)	Certified	EPA 533	10091619	2	ng/L
Synthetic Organic Chemicals	335-67-1	Perfluorooctanoic Acid (PFOA)	Certified	EPA 537.1	10091642	2	ng/L
Synthetic Organic Chemicals	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	Certified	EPA 533	10091619	2	ng/L
Synthetic Organic Chemicals	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	Certified	EPA 537.1	10091642	2	ng/L

