

COMMONWEALTH OF KENTUCKY

Energy and Environment Cabinet

2025

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: January 1, 2025

To: December 31, 2025

A handwritten signature in black ink that reads "Kevin Stewart".

Certification Program Manager
Signed by: Kevin Stewart

Microbac Laboratories Ohio Division
98026

Effective: January 1, 2025

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



Microbac Laboratories Ohio Division
98026

Effective: January 1, 2025

KY Category	CAS #	Analyte	Status	Reference Method	Method Code for PT Reporting	MRL	MRL Units
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



Microbac Laboratories Ohio Division
98026

Effective: January 1, 2025

KY Category	CAS #	Analyte	Status	Reference Method	Method Code for PT Reporting	MRL	MRL Units
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	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



Microbac Laboratories Ohio Division
98026

Effective: January 1, 2025

KY Category	CAS #	Analyte	Status	Reference Method	Method Code for PT Reporting	MRL	MRL Units
-------------	-------	---------	--------	------------------	------------------------------	-----	-----------

