

COMMONWEALTH OF KENTUCKY

Energy and Environment Cabinet

2020

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

THIS CERTIFIES THAT

Microbac Laboratories, Inc.
3323 Gilmore Industrial Boulevard
Louisville, KY 40213
Laboratory ID Number: KY00074

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, 2020

To: December 31, 2020

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Laboratory Certification Officer



A blue ink signature of Kevin Stewart written over a horizontal line.

Certification Program Manager

EPA Category	KY Category	Analyte Code	Contaminant	Status	Reference Method	KY Method Code	MRL	MRL Units
DBP	DBP	2456	Haloacetic acids (HAA5)	Certified	EPA 552.2	737	0.002	mg/L
DBP	DBP	2920	Total Organic Carbon (TOC)	Interim	SM 5310C	839	0.5	mg/L
DBP	DBP	2950	Total Trihalomethanes (TTHMs)	Certified	EPA 524.2	721	0.001	mg/L
SEC	Other	1927	Alkalinity	Certified	SM 2320B	849	5	mg/L
SEC	Other	1002	Aluminum	Interim	EPA 200.8	797	0.05	mg/L
SEC	Other	1002	Aluminum	Certified	EPA 200.7	799	0.1	mg/L
IOC	Other	1074	Antimony	Interim	EPA 200.8	797	0.64	mg/L
IOC	Other	1005	Arsenic	Interim	EPA 200.8	797	0.0015	mg/L
IOC	Other	1010	Barium	Certified	EPA 200.7	799	0.01	mg/L
IOC	Other	1075	Beryllium	Interim	EPA 200.8	797	0.004	mg/L
IOC	Other	1075	Beryllium	Certified	EPA 200.7	799	0.01	mg/L
IOC	Other	1015	Cadmium	Interim	EPA 200.8	797	0.0005	mg/L
IOC	Other	1015	Cadmium	Certified	EPA 200.7	799	0.01	mg/L
SEC	Other	1017	Chloride	Certified	EPA 300.0	720	0.5	mg/L
IOC	Other	1020	Chromium (total)	Certified	EPA 200.7	799	0.01	mg/L
SEC	Other	1905	Color	Certified	SM 2120B	829	5	CU
IOC	Other	1022	Copper	Interim	EPA 200.8	797	0.0043	mg/L
IOC	Other	1022	Copper	Certified	EPA 200.7	799	0.02	mg/L
SEC	Other	1910	Corrosivity	Certified	SM 2330B	838	N/A	LI
IOC	Other	1024	Cyanide (as free cyanide)	Interim	SM 4500CN-G	816	0.01	mg/L
IOC	Other	1024	Cyanide (as free cyanide)	Interim	SM 4500CN-E	818	0.01	mg/L
IOC	Other	1025	Fluoride	Certified	EPA 300.0	720	0.5	mg/L
SEC	Other	1028	Iron	Certified	EPA 200.7	799	0.1	mg/L
IOC	Other	1030	Lead	Interim	EPA 200.8	797	0.001	mg/L
IOC	Other	1031	Magnesium	Certified	EPA 200.7	799	0.2	mg/L
SEC	Other	1032	Manganese	Certified	EPA 200.7	799	0.01	mg/L
IOC	Other	1036	Nickel	Certified	EPA 200.7	799	0.01	mg/L
IOC	Other	1038	Nitrate - Nitrite	Certified	EPA 300.0	720	0.15	mg/L
IOC	Other	1040	Nitrate (as N)	Certified	EPA 300.0	720	0.11	mg/L
IOC	Other	1041	Nitrite (as N)	Certified	EPA 300.0	720	0.15	mg/L
SEC	Other	1920	Odor	Certified	SM 2150B	833	1.00	TON
SEC	Other	1925	pH	Certified	SM 4500H+B	835	N/A	SU
IOC	Other	1045	Selenium	Interim	EPA 200.8	797	0.001	mg/L
SEC	Other	1050	Silver	Certified	EPA 200.7	799	0.01	mg/L
State	Other	1052	Sodium	Certified	EPA 200.7	799	0.5	mg/L
SEC	Other	1055	Sulfate	Certified	EPA 300.0	720	0.5	mg/L
SEC	Other	2905	Surfactants	Certified	SM 5540C	855	0.2	mg/L
SEC	Other	1996	Temperature	Certified	SM 2550B	830	N/A	°C
IOC	Other	1085	Thallium	Interim	EPA 200.8	797	0.0007	mg/L
SEC	Other	1930	Total Dissolved Solids	Certified	SM 2540C	806	10	mg/L
M	Other	0100	Turbidity	Certified	SM 2130B	831	1	NTU
SEC	Other	1095	Zinc	Certified	EPA 200.7	799	0.01	mg/L
State	State - SEC	1919	Calcium	Certified	EPA 200.7	799	0.5	mg/L

EPA Category	KY Category	Analyte Code	Contaminant	Status	Reference Method	KY Method Code	MRL	MRL Units
State	State - SEC	1064	Conductivity	Certified	SM 2510B	845	2	µmhos/cm
State	State - SEC	1044	o-Phosphate	Certified	EPA 300.0	720	0.16	mg/L
State	State - SEC	1044	o-Phosphate	Certified	EPA 365.1	760	0.05	mg/L
State	State - SEC	1049	Silica	Certified	SM 4500Si-D	874	0.02	mg/L