

# COMMONWEALTH OF KENTUCKY

## Energy and Environment Cabinet

2025

Wastewater Laboratory Certification Program  
In Accordance with KRS 224.10-670 and 401 KAR Chapter 5:320



### THIS CERTIFIES THAT

Microbac Laboratories, Inc. - Paducah  
5309 Reidland Rd  
Paducah, KY 42003  
Laboratory ID Number: KY00089



The above laboratory has complied with Kentucky Administrative Regulation 401 KAR 5:320, Wastewater Laboratory Certification Program, for the analyses of wastewater samples, as specified in 33 U.S.C. 1342, for the method-analyte pairs specified on the attached certification list.

Effective From: January 1, 2025

To: December 31, 2025

*Kevin Stewart*

Certification Program Manager

Signed by: Kevin Stewart

Microbac Laboratories, Inc. - Paducah  
00089

Effective: January 1, 2025

| KY Category  | CAS #     | Analyte                  | Status    | Reference Method         | Method Code for PT Reporting | MRL  | MRL Units       |
|--------------|-----------|--------------------------|-----------|--------------------------|------------------------------|------|-----------------|
| Field        | 7782-50-5 | Chlorine, Total Residual | Certified | HACH 8167                | 60003807                     | 0.02 | mg/L            |
| Field        |           | Oxygen, Dissolved        | Certified | SM 4500-O G-2016         | 20121679                     |      | mg/L            |
| Field        |           | Specific Conductance     | Interim   | SM 2510 B-2011           | 20048617                     |      | umhos/cm        |
| Field        |           | Temperature              | Certified | SM 2550 B-2010           | 20053229                     |      | degrees Celsius |
| Field        |           | pH                       | Certified | SM 4500-H+ B-2011        | 20105220                     |      | S.U.            |
| Microbiology |           | E. Coli                  | Certified | Colilert-18 <sup>®</sup> | 60002666                     | 1    | MPN/100mL       |

