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## ***CERTIFICATE OF ANALYSIS***

Chemical Name: Ankom MES Anhydrous Buffer

Ankom Part #: MES

CAS No. 4432-31-9

Formula:  $C_6H_{13}NO_4S$  F.W. 195.25

LOT AD-22319-1

Expiration Date: November 2025

|                                      | <u>SPECIFICATION</u>      | <u>RESULT</u> |
|--------------------------------------|---------------------------|---------------|
| Appearance                           | White crystalline powder  | conforms      |
| Assay                                | $\geq 99.50\%$            | 99.98         |
| Solubility (1M NaOH aq)              | Clear, colorless solution | conforms      |
| pH (1% aq)                           | 3.50 to 4.50              | 3.70          |
| Water content                        | $\leq 1.0\%$              | 0.20          |
| 260nm ultraviolet absorbance (1M aq) | $\leq 0.040$              | 0.013         |
| 280nm ultraviolet absorbance (1M aq) | $\leq 0.020$              | 0.012         |

Approved By: \_\_\_\_\_

Erica Friel

Date: \_\_\_\_\_

10/28/22

