

## Certificate of Analysis

<b>PRODUCT:</b>	<b>MES, Anhydrous, UltraPure</b> 2-(N-Morpholino) ethane sulfonic acid, 4- Morpholineethanesulfonic acid, Good's buffer <b>C<sub>6</sub>H<sub>13</sub>NO<sub>4</sub>S, M.W. 195.24, CAS# [4432-31-9]</b>
<b>PRODUCT NUMBER:</b>	M-2699
<b>LOT NUMBER:</b>	K1381E (Same as MOTHER LOT# K1381)
<b>APPEARANCE:</b>	White crystalline powder
<b>SOLUBILITY:</b>	Clear and complete (10% in H <sub>2</sub> O)
<b>ASSAY</b> (Titration):	100.3%
<b>LOSS on DRYING:</b>	0.67%
<b>pH:</b>	3.69 (1% solution in H <sub>2</sub> O)
<b>HEAVY METALS</b> (as Pb):	< 0.0005%
<b>CHLORIDE:</b>	0.003%
<b>ABSORBANCE at 260nm:</b> (1M in water)	0.003
<b>ABSORBANCE at 280nm:</b> (1M in water)	0.002
<b>STORAGE &amp; HANDLING:</b>	Keep cool and dry at +20°C (Room Temperature).

CAUTION: For laboratory research & scientific manufacturing use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: KLS