

## Certificate of Analysis

<b>PRODUCT:</b>	<b>HEPES, Sodium Salt</b> 4-(2-HYDROXYETHYL) PIPERAZINE-1-ETHANESULFONIC ACID HEMISODIUM SALT <b>C<sub>8</sub>H<sub>17</sub>N<sub>2</sub>O<sub>4</sub>SNa, M.W. 260.3, CAS# [75277-39-3]</b>
<b>PRODUCT NUMBER:</b>	H-2432
<b>LOT NUMBER:</b>	L1067
<b>APPEARANCE:</b>	White crystalline powder.
<b>SOLUBILITY</b>	Clear and complete and colorless (1.0M in H <sub>2</sub> O).
<b>ASSAY</b> (Titration, dried basis):	99.66%
<b>LOSS ON DRYING</b> (105°C for 3 hours):	1.8%
<b>UV ABSORBANCE</b> (at 250nm 1M):	0.618
<b>pH</b> (1% solution in H <sub>2</sub> O at 25°C):	9.61
<b>pKa</b> (at 20°C):	7.50
<b>HEAVY METALS</b> (as Pb):	< 1 ppm
<b>CHLORIDE</b> (Cl):	0.004%
<b>STORAGE &amp; HANDLING:</b>	Store desiccated at +20°C (Room Temperature). <b><u>WARNING:</u> IRRITANT!</b>

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