

## CERTIFICATE OF ANALYSIS

<b>PRODUCT:</b>	<b>HEPPS</b> [N-(2-Hydroxyethyl)-Piperazine N'-3-Propanesulfonic acid], C <sub>9</sub> H <sub>20</sub> N <sub>2</sub> O <sub>4</sub> S, M.W. 252.3, CAS# [16052-06-5]
<b>PRODUCT NUMBER:</b>	H-1030
<b>LOT NUMBER:</b>	H1112
<b>APPEARANCE:</b>	White crystalline powder
<b>SOLUBILITY:</b>	Clear, complete and colorless
<b>MELTING POINT:</b>	234.5 – 236.2°C
<b>ASSAY:</b>	100.70% (Titration, 0.1N NaOH)
<b>WATER CONTENT:</b>	0.07% (KF)
<b>pH:</b>	5.91 (1% aqueous)
<b>UV ABSORBANCE:</b>	0.032 (260nm, 0.1M aqueous)
<b>INFRARED:</b>	Conforms to reference
<b>STORAGE &amp; HANDLING:</b>	Store desiccated at room temperature (+ 20°C). <b><u>WARNING:</u> IRRITANT! PROTECT FROM MOISTURE!</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: SK