

## Certificate of Analysis

Date of Testing: 2023-02-09 14:52:33  
Date of Next Testing: 2027-02-08 14:52:33  
Product Name: **HEPES sodium salt**  
CAS Number: 75277-39-3  
Specifications & Purity:  $\geq 99\%$  (titration)  
Lot #: B2303766  
SKU #: **H100304**  
**Analysis:** **036171**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Purity (Titration by H <sub>2</sub> SO <sub>4</sub> ) (anhydrous)	99-100 (%)	99.30 %
Water by Karl Fischer	0-7 (%)	3.40 %
UV Absorbance 260nm(c = 1 M)	0-0.4	0.01
UV Absorbance 280nm(c = 1 M)	0-0.2	0.01
Appearance (H100304)	white crystalline powder	white crystalline powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless to Very Faint Yellow, Clear, at 500 mg/ml pass		Pass



John Su  
QA & QC Manager