

## Certificate of Analysis

Date of Testing: 2024-01-16 16:38:53  
Date of Next Testing: 2028-01-15 16:38:53  
Product Name: **HEPES sodium salt**  
CAS Number: 75277-39-3  
Specifications & Purity:  $\geq 99\%$  (titration)  
Lot #: D2008023  
SKU #: **H100304**  
**Analysis:** **314840**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	1.93 ppm
Purity (Titration by H <sub>2</sub> SO <sub>4</sub> ) (anhydrous)	99-100 (%)	99.10 %
Water by Karl Fischer	0-7 (%)	3.90 %
UV Absorbance 260nm(c = 1 M)	0-0.4	0.30
UV Absorbance 280nm(c = 1 M)	0-0.2	0.10
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



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QA & QC Manager