



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-286007  
Lot Number: SAMPLE  
Product Name: HEPES potassium salt  
CAS Number: 82207-62-3  
Molecular Formula:  $C_8H_{17}KN_2O_4S$   
Molecular Weight: 276.39

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Identification (Infrared Spectrum)	Complies with structure	Complies
Purity (Titration)	$\geq 99.5 \%$	99.8 %
Solubility	25 g in 50 ml Water	25 g in 50 ml Water
Solution (Color)	Colorless	Colorless
Solution (Turbidity)	Clear	Clear
Absorbance	$\leq 0.20$	0.03
Lead	$\leq 5 \text{ ppm}$	$\leq 5 \text{ ppm}$
Water Content (KF)	$\leq 1.5 \%$	0.03 %

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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