



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-255262  
Lot Number: SAMPLE  
Product Name: MES monohydrate  
CAS Number: 145224-94-8  
Molecular Formula:  $C_6H_{13}NO_4S \cdot H_2O$   
Molecular Weight: 213.25

Test	Specification	Result
Assay	$\geq 99\%$	100.3%
Identification (Infrared Spectrum)		Complies
pH	2.5-4.5 (0.5M)	3.059 @ 20.1 °C
Absorbance		@260 nm: 0.09 @280 nm: 0.016
Loss on Drying	7-10%	7.563%
Copper	$\leq 5$ ppm	< 5 ppm
Lead	$\leq 2$ ppm	< 2 ppm
DNase	None detected	Complies
Protease	None detected	Complies
RNase	None detected	Complies

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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