



ISO 9001 CERTIFIED  
ISO 13485 CERTIFIED

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CERTIFICATE OF QUALITY

**Product:** MES FREE ACID MONOHYDRATE  
**Grade:** ULTRA PURE GRADE  
**Code:** E169  
Appearance: White crystalline powder  
Mol. Formula: C6H13NO4S.H2O  
Mol. Weight: 213.2  
Description: CAS# 145224-94-8

<u>Assay:</u>	<u>Min</u>	<u>Max</u>	<u>Units</u>	<u>Disposition</u>
Abs.@260nm (1M, Water)		0.02		PASS
Abs.@280nm (1M, Water)		0.02		PASS
DNase		NONE	P/F	PASS
Identification	PASS		P/F	PASS
Moisture (KF)		10.0	%	PASS
pKa @25C	5.9	6.3		PASS
Protease		NONE	P/F	PASS
Purity (Dry Basis, Titration)	99.0		%	PASS
RNase		NONE	P/F	PASS
Solubility (1M, Water)	PASS		P/F	PASS

Storage: Store at room temperature. Protect from moisture.

*E169UP*

This signature indicates that the above material has met all quality specifications and has been reviewed by a quality representative.

Signature:

Title:

QC MANAGER

Date:

7/10/2012