



ISO 9001 CERTIFIED
ISO 13485 CERTIFIED

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CERTIFICATE OF QUALITY

Product: MES BUFFER, ANHYDROUS [2-N-Morpholino-Ethane-Sulfo
Grade: HIGH PURITY GRADE
Code: E183
Appearance: White free-flowing crystalline powder
Mol. Formula: C6H13O4NS
Mol. Weight: 195.26
Description: CAS# 4432-31-9

<u>Assay:</u>	<u>Min</u>	<u>Max</u>	<u>Units</u>	<u>Disposition</u>
Abs. @290nm (20%, Water) (w/w)		0.05		PASS
Heavy Metals		10	ppm	PASS
pKa (20C)	5.9	6.3		PASS
Purity	99.0		%	PASS
Solubility (10%, Water)	PASS		P/F	PASS
Water (KF)		1.0	%	PASS

Storage: Store at room temperature. Protect from moisture.

E183HPG

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:

6/13/2012