



## Specification for MES, Monohydrate, cGMP Manufactured (M2848)

Item Number	M2848
Item	MES, Monohydrate, cGMP Manufactured
CAS Number	145224-94-8
Molecular Formula	$C_6H_{13}NO_4S \cdot H_2O$
Molecular Weight	213.26
MDL Number	
Synonyms	2-(N-Morpholino)ethanesulfonic Acid

Test	Specification	
	Min	Max
ASSAY (TITRATION)	99.5 %	
pH OF A 5% SOLUTION	2.5	4.0
pKa @ 25°C	5.95	6.35
ABSORBANCE @ 260 nm (0.1M in Water)		0.04 AU
ABSORBANCE @ 280 nm (1.0 M IN WATER)		0.02 AU
WATER (KF)		9 %
ELEMENTAL IMPURITIES	AS REPORTED	
MICROBIAL LIMITS:		
TOTAL YEAST AND MOLDS		100 CFU/g
TOTAL AEROBIC MICROBIAL COUNT		100 CFU/g
ENDOTOXIN		50 EU/g
IDENTIFICATION	TO PASS TEST	
EXPIRATION DATE		
DATE OF MANUFACTURE		
APPEARANCE		
RESIDUAL SOLVENTS	TO PASS TEST	

### *Spectrum Chemical Mfg Corp*

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