



Specification

MES Monohydrate

Catalog Number:	MM1001
CAS Number:	145224-94-8
Synonym(s)	2-(N-Morpholino)ethanesulfonic acid, 4-Morpholineethanesulfonic acid monohydrate
Molecular Formula:	$C_6H_{13}NO_4S \cdot H_2O$
Molecular Weight:	213.25
Storage:	15°C – 30°C
Retest Period:	Three years from date of manufacture.

Test	Specification
Appearance	White crystalline powder
Purity (Titration by NaOH)	≥ 99.0%
Solubility (10% solution in H ₂ O)	Clear & colorless
pH	2.5 – 4.0
UV (250nm, 10% in H ₂ O)	≤ 0.05
Moisture (LOD)	7-10%
Insoluble Matter (Filter Test)	Pass
Chloride (Cl)	≤ 0.01%
Heavy Metals	≤ 0.001%
Iron	≤ 0.001%

Approved:

Date: August 30, 2018

John Grubb, PhD
Gojira Fine Chemicals
Quality Manager
Tel: 440-252-5397, Fax: 888-211-5523
docsupport@gojirafc.com