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Certificate of Analysis

Catalogue Number	00217
Lot Number	001135-0030407
Product	3-N-Morpholinopropanesulfonic acid 3-Morpholinopropanesulfonic acid MOPS
CAS Number	1132-61-2
Molecular Formula	C ₇ H ₁₅ NO ₄ S
Molecular Weight	209.3

Appearance	White crystalline powder
Solubility	Clear, colorless solution (50% in Water)
Heavy Metals	< 1 ppm (as Pb)
pH	4.2
pKa	7.2
Infrared Spectrum	Conforms to reference
Loss on Drying	0.5% (140 °C, 30 min.)
Assay by titration	100.3% (Dry basis)
Application	To prepare agar culture medium in limit culture medium. It can be used as non-toxic buffer in the cultivation of streptomyces clavuligerus and in the production of cephalosporin. It can also be used in northern hybridization rna, as buffer solution for RNA separation.
Storage	Store at RT
Additional Information	UV (1M in H ₂ O) A260 nm: 0.0086 UV (1M in H ₂ O) A280 nm: 0.0077
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager