



Certificate of Analysis

MOPS Hemisodium Salt

Catalog Number: MH1002
Lot Number: Typical-401
CAS Number: 117961-20-3
Synonym(s): 3-(N-Morpholino)propanesulfonic acid hemisodium salt, 4-Morpholinepropanesulfonic acid hemisodium salt
Molecular Formula: $C_{14}H_{29}N_2NaO_8S_2$
Molecular Weight: 440-51
Storage: 15°C – 30°C
Date of Manufacture: July 8, 2019
Retest Date: July 7, 2022

Test	Specification	Result
Appearance	White to powder	Conforms
Assay (Titration)	≥ 99%	99.4%
Identification (FTIR)	To match reference spectra	Conforms
Solubility (0.1M, H ₂ O)	Clear and colorless	Conforms
pH (1%, H ₂ O)	6.7 – 7.3	6.9
Moisture	≤ 3.0%	0.75%
Absorbance (0.1M, H ₂ O)		
A260	≤ 0.05	0.03
A280	≤ 0.05	0.03
Lead	≤ 5ppm	3.2ppm

Approved by:

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Date: August 16, 2019