



## Certificate of Analysis

### MOPS

**Catalog Number:** MP1010  
**Lot Number:** 010731r1  
**CAS Number:** 1132-61-2  
**Chemical Name:** 3-(N-Morpholino) Propanesulfonic Acid  
**Molecular Formula:**  $C_7H_{15}NO_4S$   
**Molecular Weight:** 209.27  
**Storage:** 15°C – 30°C  
**Date of Manufacture:** October 27, 2011  
**Retest Date:** October 26, 2018 (new retest date)

Test	Specification	Result
Appearance	White	Conforms
Assay (Dry Basis)	$\geq 99.0\%$	100.1%
Solubility (100 mg/ml, H <sub>2</sub> O)	Clear & colorless	Conforms
pH (1%)	2.5 – 4.5	4.32
pKa (20°C)	7.00 – 7.40	7.22
Moisture (LOD)	$\leq 1.0\%$	0.27%
Absorbance (0.1M @ 260nm)	$\leq 0.02$	0.006
Heavy Metals	$\leq 5\text{ppm}$	< 5ppm

Approved by:

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