

## Certificate of Quality

**Product Name: MOPS**

MOPS is a zwitterionic buffer used as a running buffer for denaturing agarose gel electrophoresis of RNA. Having a buffering range from 6.5 - 7.9, MOPS works exceptionally well with formaldehyde gels at 20 mM concentration.

Product Code: A3335 CAS #: 1132-61-2  
Grade: Ultra Pure Formula: C7H15NO4S  
Appearance: White, crystalline powder MW: 209.26  
Reassay Date: 3 years after shipping date Lot#: See product label  
Storage: Store at room temperature. Protect from moisture.

TEST	SPECIFICATION	RESULT
Assay	99.0-101.0%	Passes
pH (1M Water)	3.6-4.4	Passes
Heavy Metals (as Pb)	≤ 5 ppm	Passes
A260 (1M Water)	≤ 0.05	Passes
A280 (1M Water)	≤ 0.03	Passes
Solubility (10% Water)	Clear and Colorless	Passes
Moisture (LOD)	≤ 1.0	Passes

Data Verified by M. He. Verification Date: 2020-01-06

**Limited Usage and Warranty:** For Research Use Only. Not for use in diagnostic procedures. Not for human or animal drug or food use. Biomatik warrants materials of said quality at the time of sale. It is the sole responsibility of the customer to determine the adequacy of all materials for any intended or specific purpose of use. Biomatik's sole obligation is to replace the material up to the extent of the purchase price. This warranty applies only to products in original packaging and does not apply to a product which has been tampered with or altered in any way or which has been misused or damaged by accident or negligence. No other warranties of any kind, expressed or implied, including without limitation, implied warranties of merchantability or fitness for a particular purpose, are provided by Biomatik. Biomatik shall have no liability for any direct, indirect, consequential, or incidental damages arising out of the use, the results of use, or the inability to use this product.