



MP Biomedicals, LLC

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## Certificate of Analysis

**Product Description:** PIPES, molecular biology reagent  
**Catalog Number:** 194838  
**Lot:** QR12970

**Formula:** C<sub>8</sub>H<sub>18</sub>N<sub>2</sub>O<sub>6</sub>S<sub>2</sub>  
**CAS #:** 5625-37-6  
**Physical Description:** White Powder

**Formula Weight:** 302.4  
**Storage:** desiccate, 15-30°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	#99%	99.7% (titration, dried basis)
FTIR	Conforms to Standard	Conforms to Standard
UV/VIS: OD260 (0.1M in 0.2M NaOH)	#0.05	0.018
UV/VIS: OD280 (0.1M in 0.2M NaOH)	#0.05	0.013

Solubility: Clear, complete (0.1M in 0.2N NaOH)

Pka: 6.9

Moisture (LOD): 0.1%

UV/Vis: OD260 (0.5 M in 1 N NaOH): 0.0409

UV/Vis: OD280 (0.5 M in 1 N NaOH): 0.0288

Recommended Retest Date: 04/12/2017

11/09/2016 - John Huang, PhD  
MP Biomedicals, LLC.

Quality Control Manager

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<http://www.mpbio.com>

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Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)