

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: Superoxide Dismutase

Catalog Number: 190117

Lot: 1556K

Formula: N/A

CAS #: 9054-89-1

Physical Description: Pale Blue Powder

Formula Weight: N/A

Storage: -20°C, desiccate

Test	Specification	Result
Identity Test	Passes	Passes
Source	Bovine Erythrocytes	Bovine Erythrocytes
Activity	≥ 3500 u/mg solid	5267 u/mg solid
Protein Concentration	≥ 0.900 mg protein/mg solid	0.927 mg protein/mg solid (Lowry)

Unit Definition: That amount of enzyme causing a 50% inhibition in the rate of assay based on the method of McCord, J.M. and Fridovich, (1969), J. Biol. Chem., 1, 6049.

Specific Activity: 5682 u/mg protein

E1%/280: 3.50

Carbonic Anhydrase: 0.0021%

09/04/2008 - Robert Beattie

MP Biomedicals, LLC.

Technical Director

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Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site

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