

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: Superoxide Dismutase

Catalog Number: 190117

Lot: 1435K

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	6992 u/mg solid
Protein Concentration	Report Result	0.889 mg protein/mg material (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.

Carbonic Anhydrase: 0.0009%

Specific Activity: 7865 u/mg protein

Activity: 26300 u/E280

08/15/2008 - Robert Beattie

MP Biomedicals, LLC.

Technical Director

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<http://www.mpbio.com>

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)