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Certificate of Analysis

Product Description: Superoxide Dismutase_
Catalog Number: 190117_
Lot: QR14860_

Formula: N/A CAS #: 9054-89-1 Physical Description: Pale Blue Solid	Formula Weight: N/A Storage: -20°C, desiccate
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Test	Specification	Results
Identity Test	Passes	Passes
Source	Bovine Erythrocytes	Bovine Erythrocytes
Activity	#3500 u/mg solid	8131 u/mg solid
Protein Concentration	#0.900 mg protein/ mg solid	1.00 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: 0.00207%

E 1%/280: 3.22

Activity: 8131 U/mg protein

25252 U/E280

Solubility: Dissolves readily at 5mg/ml in 0.05M potassium phosphate/0.1mM EDTA pH 7.8 to give a clear, very pale blue solution.

Recommended Retest Date: 05/05/2019

11/07/2017 - John Huang, PhD
MP Biomedicals, LLC.
Quality Control Manager

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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)