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Certificate of Analysis

Product Description: Glucose Oxidase_**Catalog Number:** 195196_**Lot:** 1932K_**Formula:** N/A**CAS #:** 9001-37-0**Physical Description:** Yellow Powder**Formula Weight:** N/A**Storage:** -20°C, desiccate

Test	Specification	Result
Identity Test	Passes	Passes
Source	<i>Aspergillus niger</i>	<i>Aspergillus niger</i>
Activity	≥100 u/mg material	257 u/mg material
Protein Concentration	Report Result	0.825 mg protein/mg material (Lowry)
Catalase Activity	<10 u/mg	0.344 u/mg material GO/CAT ratio: 747
Amylase Activity	Report Result	<0.0001%
Maltase Activity	Report Result	0.003%
Saccharase Activity	Report Result	0.002%

Unit Definition: one unit equals that amount of enzyme which causes the oxidation of one micromole of glucose per minute at 25 degrees C and pH 7.0.

Spectrophotometric data: E 1%/280 = 12.76

Dissolves readily at 5mg/ml in 0.1M potassium phosphate pH 7.0, giving a clear, yellow solution.

10/15/2008 - Robert Beattie

MP Biomedicals, LLC.

Technical Director

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