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## Product Specification

Product Name:

Glucose Oxidase from *Aspergillus niger* - Type VII, lyophilized powder,  $\geq 100,000$  units/g solid (without added oxygen)

Product Number:

**G2133**

CAS Number:

9001-37-0

MDL:

MFCD00131182

Storage Temperature:

-20 °C

TEST	Specification
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Appearance (Color)

Yellow

Appearance (Form)

Powder

% Protein (Biuret)

 $\geq 60$ 

units/G solid

 $\geq 100000$ 

Enzymatic Activity, without added Oxygen

Unit Definition:

One unit will oxidize 1.0 micromole of beta-D-glucose to D-gluconolactone and hydrogen peroxide per min at pH 5.1 at 35 deg C.

units/mg protein

 $\leq 10$ 

Catalase

Maltase

 $\leq 0.3 \%$ 

Glycogenase

 $\leq 0.2 \%$ 

Invertase

 $\leq 0.5 \%$ 

Galactose Oxidase

 $\leq 3.0 \%$ 

Protease

 $\leq 0.02 \%$ 

Recommended Retest Period

5 Years

Specification: PRD.1.ZQ5.10000006970

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.