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Product Specification

Product Name:

Glucose-6-phosphate Dehydrogenase from *Leuconostoc mesenteroides* - recombinant, expressed in *E. coli*, lyophilized powder, ≥ 550 units/mg protein (biuret)Product Number: **G8529**

CAS Number: 9001-40-5

Storage Temperature: 2 - 8 °C

TEST	Specification
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Appearance (Color)	White to Off White
Appearance (Form)	Powder
Protein by Biuret	10 - 40 %
units/mg Protein	≥ 550
Unit Definition: One unit will oxidize 1.0 micromole of Glucose-6-Phosphate to 6-Phospho-D-Gluconate per minute in the prescense of NAD at pH 7.8 at 30 DEG C	
Phosphoglucose Isomerase	≤ 0.01 %
Myokinase	≤ 0.01 %
Creatine Phosphokinase	≤ 0.01 %
Lactic Dehydrogenase	≤ 0.01 %
Glutathione Reductase	≤ 0.01 %
6-Phosphogluconic Dehydrogenas	≤ 0.01 %
NADH Oxidase	≤ 0.01 %
NADPH Oxidase	≤ 0.01 %
Phosphoglucomutase	≤ 0.01 %
Hexokinase	≤ 0.01 %
Recommended Retest Period	-----
5 years	

Specification: PRE.1.ZQ5.10000009864

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. 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.