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Product Specification

Product Name:

Glucose-6-phosphate Dehydrogenase from *Leuconostoc mesenteroides* – recombinant, expressed in *E. coli*, ammonium sulfate suspension, ≥ 550 units/mg protein (biuret)

Product Number:

G8404

CAS Number:

9001-40-5

Storage Temperature:

2 - 8 °C

TEST	Specification
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Protein by Biuret
mgP/ml

2 - 15

units/mg Protein

 ≥ 550

One unit will oxidize 1.0 micromole of glucose-6-phosphate to 6-phospho-D-gluconate per minute in the presence 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 Dehydrogenase

 ≤ 0.01 %

NADH Oxidase

 ≤ 0.01 %

NADPH Oxidase

 ≤ 0.01 %

Phosphoglucomutase

 ≤ 0.01 %

Hexokinase

 ≤ 0.01 %

Recommended Retest Period

2 years

Specification: PRE.0.ZQ5.10000020836

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.