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Product Specification

Product Name:

Glucose-6-phosphate Dehydrogenase from baker's yeast (*S. cerevisiae*) – Type IX, lyophilized powder, 200–400 units/mg protein (modified Warburg–Christian)

Product Number:

G4134

CAS Number:

9001-40-5

MDL:

MFCD00081656

Storage Temperature:

-20 °C

TEST	Specification
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% Protein (WC)

≥ 70

units/mg protein

200 - 400

One unit will oxidize 1.0 micromole of D-Glucose-6-Phosphate to 6-Phospho-D-Gluconate per minute in the presence of NADP at pH 7.4 at 25 deg C.

NADPH Oxidase

≤ 0.05 %

6-Phosphogluconic Dehydrogenase

≤ 0.05 %

Phosphoglucomutase

≤ 0.05 %

Hexokinase

≤ 0.05 %

Phosphoglucose Isomerase

≤ 0.05 %

Impurity

≤ 10 mmol

mmoles NADP(H) per mole G-6-PDH

Specification: PRD.0.ZQ5.10000045923

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.