

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:

Glucose-6-phosphate Dehydrogenase from baker's yeast (*S. cerevisiae*) - Type VII, ammonium sulfate suspension, ≥ 200 units/mg protein

Product Number: **G7877**
CAS Number: 9001-40-5
MDL: MFCD00081656

Storage Temperature: 2 - 8 °C

TEST	Specification
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mg protein/ml (WC)	≥ 2.0
units/mg protein	≥ 200
Enzymatic Activity	
Unit Definition:	
One unit will oxidize 1.0 micromole of D-glucose-6-phosphate to 6-phospho-D-gluconate per minute in the presence of Nicotinamide adenine dinucleotide phosphate (NADP) at pH 7.4 at 25 deg C.	
NADPH Oxidase	≤ 0.05 %
6-Phosphogluconic Dehydrogenas	≤ 0.05 %
Phosphoglucomutase	≤ 0.05 %
Phosphoglucose Isomerase	≤ 0.05 %
Hexokinase	≤ 0.05 %

Specification: PRD.0.ZQ5.10000040066

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.