

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:

Glucose-6-phosphate Dehydrogenase from *Leuconostoc mesenteroides* - Type XXIII, ammonium sulfate suspension, 550-1,100 units/mg protein (biuret),  $\geq 2.0$  mg/mL BiuretProduct Number: **G5760**

CAS Number: 9001-40-5

MDL: MFCD00081656

Storage Temperature: 2 - 8 °C

TEST	Specification
------	---------------

mg protein/ml (Biuret)	$\geq 2.0$
units/mg protein	550 - 1100
One unit will oxidize 1.0 umole of glucose-6-phosphate to 6-phosphogluconate per minute at pH 7.8 at 30 deg C using NAD as coenzyme.	
Phosphoglucose Isomerase	$\leq 0.01$ %
6-Phosphogluconic Dehydrogenase	$\leq 0.005$ %
Hexokinase	$\leq 0.005$ %
NADH Oxidase	$\leq 0.005$ %
NADPH Oxidase	$\leq 0.005$ %

Specification: PRD.1.ZQ5.10000044197

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.