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Product Specification

Product Name:

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

Product Number: G6378
CAS Number: 9001-40-5
MDL: MFCD00081656

Storage Temperature: -20 °C

| TEST | Specification |
|---|-----------------|
| Appearance (Color) | White to Yellow |
| Appearance (Form) | Powder |
| % Protein (WC) | ≥ 70 |
| units/mg protein (WC) | 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 % |
| Phosphoglucomutase | ≤ 0.05 % |
| Phosphoglucose Isomerase | ≤ 0.05 % |
| Hexokinase | ≤ 0.05 % |
| 6-Phosphogluconic Dehydrogenase | ≤ 0.05 % |
| Recommended Retest Period | ----- |
| 2 years | |

Specification: PRD.1.ZQ5.10000029494

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.