

**MP Biomedicals, LLC**29525 Fountain Parkway  
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## Certificate of Analysis

**Product Description:** D-Glucose-6-phosphate Dipotassium Salt Hydrate  
**Catalog Number:** 100313  
**Lot:** S4678

**Formula:** C<sub>6</sub> H<sub>11</sub> O<sub>9</sub> P K<sub>2</sub> · × H<sub>2</sub>O  
**CAS #:** 5996-17-8  
**Physical Description:** White Powder

**Formula Weight:** 336.32 (anhyd)  
**Storage:** -20°C, desiccate, protect from light

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥95%	100% (dry basis)
FTIR	Conforms to Standard	Conforms to Standard
Moisture	Report Result	7.0% (KF)

% Solvent Methanol by GC (≤ 4%): <2%

Inorganic Phosphorus (≤ 0.1%): 0.0%

Potassium (K) (dry basis) (20.4 - 26.1%): 22.9%

Solubility (50 mg/mL in H<sub>2</sub>O) (Clear to Very Slightly Hazy): Clear

Recommended Retest Date (MM/DD/YYYY): 06/01/2025



08/27/2020 - John Huang, PhD  
MP Biomedicals, LLC.  
Quality Control Manager

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