

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:

D-Fructose 6-phosphate dipotassium salt – ≥97% (enzymatic), amorphous powder

Product Number:

F1502

CAS Number:

103213-47-4

MDL:

MFCD00069682

Formula:

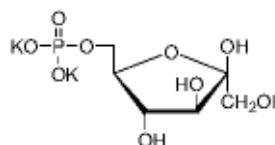
C<sub>6</sub>H<sub>11</sub>K<sub>2</sub>O<sub>9</sub>P

Formula Weight:

336.32 g/mol

Storage Temperature:

-20 °C



### TEST

### Specification

Appearance (Color)

White to Off White

Appearance (Form)

Powder

Solubility (Color)

Colorless to Faint Yellow

Solubility (Turbidity)

Clear to Slightly Hazy

100 mg/mL, H<sub>2</sub>O

Water (by Karl Fischer)

≤ 14 %

Solvent Content (by GC)

≤ 5 %

Enzymatic Purity (Dry Basis)

≥ 97 %

Glucose-6-Phosphate

≤ 1.5 mole%

Potassium (K) (dry basis)

20.3 - 26.2 %

Fructose-1,6-diphosphate

≤ 0.05 mole%

Specification: PRD.2.ZQ5.10000036085

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.