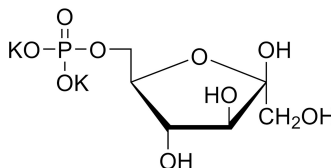


# Certificate of Analysis

**Product Name :** D-Fructose 6-phosphate dipotassium salt  $\geq 97\%$  (enzymatic), amorphous powder  
**Product Number :** F1502-BULK  
**Batch Number :** 0000298694  
**CAS Number :** 103213-47-4  
**Storage Temperature :** Freezer -20°C  
**Molecular Formula :**  $C_6H_{11}K_2O_9P$   
**Formula Weight :** 336.32 g/mol  
**Quality Release Date :** 12 Feb 2024



Test	Specification	Result
Appearance (Color)	White to Off White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless to Faint Yellow	Almost Colorless
Solubility (Turbidity)	Clear to Slightly Hazy	Very Slightly Hazy
100 mg/mL, H <sub>2</sub> O		
Water (by Karl Fischer)	$\leq 14 \%$	6 %
Solvent Content (by GC)	$\leq 5 \%$	1 %
Enzymatic Purity (Dry Basis)	$\geq 97 \%$	101 %
Glucose-6-Phosphate	$\leq 1.5 \text{ mole}\%$	0.3 mole%
Potassium (K) (dry basis)	20.3 - 26.2 %	24.9 %
Fructose-1,6-diphosphate	$\leq 0.05 \text{ mole}\%$	0.00 mole%

Jagodige Yasomanee, Supervisor

Quality Assurance

St. Louis, Missouri

US

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. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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