

Certificate of Analysis

Product Name:

D-Fructose 1,6-bisphosphate trisodium salt hydrate - ≥98% (TLC)

Product Number:

F6803

Batch Number:

SLCP6881

Brand:

SIGMA

MDL Number:

MFCD03427650

Formula:

C₆H₁₁Na₃O₁₂P₂ · xH₂O

Formula Weight:

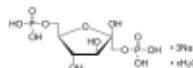
406.06 g/mol

Storage Temperature:

Store at -20 °C

Quality Release Date:

20 OCT 2022



Test	Specification	Result
Appearance (Color)	White to Off White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless to Faint Yellow	Colorless
Solubility (Turbidity)	Clear	Clear
50 mg/ml, H ₂ O		
Phosphorus NMR Spectrum	Conforms to Structure	Conforms
Proton NMR Spectrum	Conforms to Structure	Conforms
¹³ C NMR Spectrum	Conforms to Structure	Conforms
Water (by Karl Fischer)	≤ 30 %	27 %
Solvent Content (by GC)	≤ 3 %	< 0 %
Phosphorus (Dry Basis)	14.5 - 16.1 %	15.7 %
Sodium (dry basis)	14.6 - 18.8 %	17.1 %
Impurity (by Enzymatic)	≤ 0.3 %	0.1 %
Fructose 6-Phosphate		
Impurity (by Enzymatic)	≤ 0.1 %	0.0 %
Glucose 6-Phosphate		
Purity (TLC)	≥ 98 %	100 %

Brian Dulle, 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. 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.

