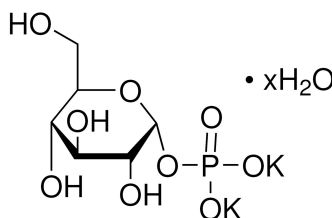


Certificate of Analysis

Product Name : α -D-Glucose 1-phosphate dipotassium salt hydrate $\geq 97\%$ (HPLC)
Product Number : G6875-5G
Batch Number : 0000400240
Source Batch : 0000368116
CAS Number : 1233690-06-6
Storage Temperature : -20°C
Molecular Formula : $C_6H_{11}K_2O_9P \cdot xH_2O$
Formula Weight : 336.32(anhydrous basis) g/mol
Quality Release Date : 16 Sep 2024



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless to Faint Yellow	Colorless
Solubility (Turbidity)	Clear to Slightly Hazy	Clear
50 mg/mL H ₂ O		
Water (by Karl Fischer)	$\leq 12\%$	10 %
Inorganic Phosphorus	$\leq 0.25\%$	0.05 %
Potassium (K) anhydrous	20.3 - 26.2 %	22.5 %
By ICP		
Purity (HPLC)	$\geq 97\%$	100 %

Jagodige Yasomanee, Supervisor

Quality Assurance

St. Louis, Dekalb

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. 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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