

Certificate of Analysis

Product Name :

β-Glycerophosphate disodium salt hydrate BioUltra, suitable for cell culture, suitable for plant cell culture, ≥99% (titration)

Product Number :**G9422-VAR****Batch Number :****0000486574**

Source Batch :

0000477220

CAS Number :

154804-51-0

MDL Number :

MFCD00149082

Molecular Formula :

C₃H₇Na₂O₆P · xH₂O

Formula Weight :

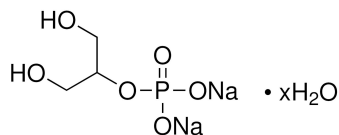
216.04(anhydrous basis) g/mol

Recommended Retest Date :

Aug 2031

Quality Release Date :

15 Aug 2025



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity)	Clear	Clear
50mg/ml, H ₂ O		
Infrared Spectrum	Conforms to Structure	Conforms
Phosphorus (P) (Anhydrous)	13.7 - 15.0 %	14.1 %
Sodium (anhydrous)	19.8 - 22.8 %	20.7 %
Impurity	≤ 0.5 %	0.1 %
L-alpha-Glycerophosphate (mole %, anhydrous)		
Inorganic Phosphorus	≤ 0.1 %	0.0 %
Water (by Karl Fischer)	≤ 33 %	30 %
(6 mol/mol)		
Titration by HCL (Anhydrous)	≥ 99 %	101 %
Chloride (Cl)	≤ 0.05 %	0.01 %
Sulfate (SO ₄)	≤ 0.05 %	< 0.05 %
Insoluble Matter	≤ 0.1 %	0.0 %
Aluminum (Al)	≤ 0.001 %	< 0.001 %
Lead (Pb)	≤ 0.001 %	< 0.001 %
Calcium (Ca)	≤ 0.001 %	< 0.001 %

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

Version Number: 01 Doc: 1243045

Page 1 of 2



Product G9422-VAR
Batch 0000486574

Magnesium (Mg)	≤ 0.0005 %	< 0.0005 %
Zinc (Zn)	≤ 0.0005 %	< 0.0005 %
Copper (Cu)	≤ 0.0005 %	< 0.0005 %
Iron (Fe)	≤ 0.001 %	< 0.001 %
Potassium (K)	≤ 0.005 %	< 0.005 %
Cell Culture Test	Pass	Pass
Plant Cell Culture Test	Pass	Pass



Jagodige Yasomanee, Supervisor
Quality Assurance
St. Louis, Dekalb
US

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Page 2 of 2

