

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

### Certificate of Analysis

Date of Testing: 2025-10-28 15:21:31  
Date of Next Testing: 2028-10-27 15:21:31  
Product Name: **Polyvinylpyrrolidone (PVP)**  
CAS Number: 9003-39-8  
Specifications & Purity: for plant cell culture, average mol wt 10,000  
Lot #: J2522552  
SKU #: **P434444**  
Version: **1**  
Analysis #: **583418**

Parameter	Limit Values	Result
pH(5% solution)	3-7	4.78000
Nitrogen by Elemental Analysis	11.5-12.8 (%)	11.84%
K-Value	13-19	15.23500
Appearance(P434444)	White to Off White Powder	White to Off White Powder
Infrared spectrum	Conforms to structure	Conforms to Structure
Solubility(100 mg/mL,H2O)Clear,Faint Yellow to Light Yellow	pass	Pass
Plant cell culture test	pass	Pass



John Su  
QA & QC Manager