

## Certificate of Analysis

Date of Testing: 2023-05-13 17:29:07  
Date of Next Testing: 2026-05-12 17:29:07  
Product Name: **Polyvinylpyrrolidone**  
CAS Number: 9003-39-8  
Specifications & Purity: powder, average Mw~29,000  
Lot #: E2309966  
SKU #: **P434441**  
Analysis: **214584**

Parameter	Limit Values	Result
PH(5% in water)	3.0-5.0	3.52
Water by Karl Fischer	0-5 (%)	3.44 %
Residue on ignition(Ash)	0-0.5 (%)	0.00000 %
Nitrogen by Elemental Analysis	11.5-13.0 (%)	12.06 %
K-Value	22.6-26.7	24.40000
Appearance(P434441)	White Powder	White powder
Infrared spectrum	conforms to structure	Conforms to Structure



John Su  
QA & QC Manager