

## Certificate of Analysis

Date of Testing: 2023-02-27 18:40:21  
Date of Next Testing: 2027-02-26 18:40:21  
Product Name: **Polyvinylpyrrolidone**  
CAS Number: 25249-54-1  
Specifications & Purity: USP grade,cross-linked,powder  
Lot #: B2323579  
SKU #: **P101410**  
Analysis: **192571**

Parameter	Limit Values	Result
(As)Arsenic	0-2 (ppm)	1.00 ppm
Heavy metals	0-10 (ppm)	5.00 ppm
PH(1% in Water)	5-8	7.80
Sulfate Ash	0-0.1 (%)	0.05 %
Nitrogen by Elemental Analysis	11-12.8 (%)	11.20 %
Peroxides	0-400 (ppm)	200.00 ppm
Loss on drying	0-5 (%)	0.00 %
Appearance (P101410)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager