

## Certificate of Analysis

Date of Testing: 2023-02-10 20:59:40  
Date of Next Testing: 2027-02-09 20:59:40  
Product Name: **Polyvinylpyrrolidone**  
CAS Number: 25249-54-1  
Specifications & Purity: USP grade,cross-linked,powder  
Lot #: B2306804  
SKU #: **P101410**  
Analysis: **186031**

Parameter	Limit Values	Result
(As)Arsenic	0-2 (ppm)	1.39 ppm
Heavy metals	0-10 (ppm)	7.05 ppm
PH(1% in Water)	5-8	6.54
Sulfate Ash	0-0.1 (%)	0.08 %
Nitrogen by Elemental Analysis	11-12.8 (%)	11.01 %
Peroxides	0-400 (ppm)	315.60 ppm
Loss on drying	0-5 (%)	0.70 %
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