

Certificate of Analysis

Date of Testing: 2023-10-18 10:26:59

Date of Next Testing: 2025-10-07 10:26:59

Product Name: **Polyvinylpyrrolidone**

CAS Number: 9003-39-8

Specifications & Purity: average Mw 8000,K16-18

Lot #: J2311078

SKU #: **P110608**

Analysis: 083143

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Aldehydes	0-0.05 (%)	0.00 %
Water by Karl Fischer	0-5 (%)	3.00 %
PH(5% in water)	3-5	4.60
Hydrazine(N ₂ H ₄)	0-1 (ppm)	0.50 ppm
Nitrogen by Elemental Analysis	11.5-12.8 (%)	11.90 %
Sulfate Ash	0-0.1 (%)	0.05 %
Heavy metal (as Pb)	0-10 (ppm)	5.00 ppm
Peroxides(TiOSO ₄)	0-400 (ppm)	49.00 ppm
K value	15.3-18.4	17.10
Appearance (P110608)	white to yellow powder or flakes	white to yellow powder or flakes
Identification (positive reaction)	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager