

Certificate of Analysis

Date of Testing: 2021-11-13 12:16:15
 Date of Next Testing: 2023-11-03 12:16:15
 Product Name: **Polyvinylpyrrolidone**
 CAS Number: 9003-39-8
 Specifications & Purity: average Mw 8000,K16-18
 Lot #: K2111240
 SKU #: **P110608**
Analysis: **043803**
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Aldehydes	0-0.05 (%)	0.01 %
Water by Karl Fischer	0-5 (%)	3.00 %
PH(5% in water)	3-5	4.30
Hydrazine(N ₂ H ₄)	0-1 (ppm)	0.50 ppm
Nitrogen by Elemental Analysis	11.5-12.8 (%)	12.10 %
Sulfate Ash	0-0.1 (%)	0.03 %
Heavy metal (as Pb)	0-10 (ppm)	0.65 ppm
Peroxides(TiOSO ₄)	0-400 (ppm)	2.70 ppm
K value	15.3-18.4	16.60
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