

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-28 09:40:30
Date of Next Testing: 2026-08-27 09:40:30
Product Name: **Polyvinylpyrrolidone**
CAS Number: 9003-39-8
Specifications & Purity: powder, average Mw~55,000
Lot #: H2318073
SKU #: **P434442**
Analysis: 172893

Parameter	Limit Values	Result
K value	27-32	27.82
PH (5%, water) 25 °C	3-5	3.54
Water by Karl Fischer	0-5 (%)	4.14 %
Heavy metals	0-10 (ppm)	0.00 ppm
Nitrogen by Elemental Analysis	11.5-12.8 (%)	11.86 %
Peroxide(as H ₂ O ₂)	0-400 (ppm)	60.80 ppm
Formic Acid	0-0.5 (%)	0.30 %
2-pyrrolidone	0-2 (%)	1.30 %
Aldehydes	0-0.05 (%)	0.00 %
Appearance(P434442)	White to yellowish-white hygroscopic powder or flakes	White to yellowish-white hygroscopic powder or flakes
Infrared spectrum	conforms to structure	Conforms to Structure



John Su
QA & QC Manager