

Certificate of Analysis

Date of Testing: 2025-02-17 17:43:57

Date of Next Testing: 2027-02-07 17:43:57

Product Name: **Polyvinylpyrrolidone (PVP)**

CAS Number: 9003-39-8

Specifications & Purity: average Mw 24000,K23-27

Lot #: A2522010

SKU #: **P110609**

Version: **1**

Analysis #: **456525**

Storage Temperature: Protected from light,Argon charged

Parameter	Limit Values	Result
Hydrazine(N ₂ H ₄)	0-1 (ppm)	1.00 ppm
Peroxide(as H ₂ O ₂)	0-400 (ppm)	35.00 ppm
Water by Karl Fischer	0-5 (%)	2.80 %
2-pyrrolidone	0-3 (%)	1.20 %
Sulfate Ash	0-0.1 (%)	0.05 %
Formic Acid	0-0.5 (%)	0.10 %
PH	3-5	3.70
Nitrogen by Elemental Analysis	11.5-12.8 (%)	12.20 %
Aldehydes	0-0.05 (%)	0.01 %
K value	23-27	24.90
Heavy metals	0-10 (ppm)	10.00 ppm
NVP	0-10 (ppm)	0.00 ppm
Appearance (p110609)	White,Off-White Hygroscopic Powder,Crystals,Flake	White,Off-White Hygroscopic Powder,Crystals,Flake
Infrared spectrum	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager