

Certificate of Analysis

Date of Testing: 2025-04-24 17:27:19

Date of Next Testing: 2027-04-14 17:27:19

Product Name: **Polyvinylpyrrolidone (PVP)**

CAS Number: 9003-39-8

Specifications & Purity: average Mw 24000,K23-27

Lot #: D2514389

SKU #: **P110609**

Version: **1**

Analysis #: **492968**

Storage Temperature: Protected from light,Argon charged

Parameter	Limit Values	Result
Hydrazine(N ₂ H ₄)	0-1 (ppm)	0.09 ppm
Peroxide(as H ₂ O ₂)	0-400 (ppm)	155.00 ppm
Water by Karl Fischer	0-5 (%)	2.23 %
2-pyrrolidone	0-3 (%)	1.40 %
Heavy metals	0-10 (ppm)	3.00 ppm
Formic Acid	0-0.5 (%)	0.30 %
PH	3-5	3.34
NVP	0-10 (ppm)	3.00 ppm
Nitrogen by Elemental Analysis	11.5-12.8 (%)	11.95 %
Aldehydes	0-0.05 (%)	0.02 %
K value	23-27	25.13
Sulfate Ash	0-0.1 (%)	0.03 %
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".

John Su
QA & QC Manager