

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-06 15:49:51  
Date of Next Testing: 2025-05-26 15:49:51  
Product Name: **Polyvinylpyrrolidone**  
CAS Number: 9003-39-8  
Specifications & Purity: average Mw 1300000,K88-96  
Lot #: E23301218  
SKU #: **P110610**  
**Analysis:** **223423**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Aldehydes	0-0.05 (%)	0.02 %
Carbon by Elemental Analysis	64.7-65.1 (%)	64.90 %
Oxygen by Elemental Analysis	14.2-14.6 (%)	14.50 %
Lead(Pb)	0-10 (ppm)	0.00 ppm
Ignition Residue	0-0.1 (%)	0.05 %
Hydrazine(N <sub>2</sub> H <sub>4</sub> )	0-1 (ppm)	0.00 ppm
PH(1.0g in 20ml Water)	3-7	6.80000
K value	88-96	94.00
Nitrogen by Elemental Analysis	11.5-12.8 (%)	12.00 %
Total number of bacteria	0-1000 (cfu/g)	10.00 cfu/g
Water by Karl Fischer	0-5 (%)	1.80 %
Total yeasts and molds count(TYMC)	0-100 (cfu/g)	10.00 cfu/g
Appearance (P110610)	White or light yellow powder	White or light yellow powder



John Su  
QA & QC Manager