

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	PVP (K-90) 100% Powder
<b>Product Code</b>	AL00290
<b>INCI Name</b>	PVP (polyvinylpyrrolidone)
<b>CAS Number</b>	9003-39-8
<b>Lot Number</b>	SDLH250310
<b>Manufacture Date</b>	03/2025
<b>Re-test Date</b>	03/2028

Items	Specification	Results
<b>Appearance</b>	White or yellowish-white powder	Conforms
<b>K Value</b>	81 - 97.2	90.18
<b>Moisture, %</b>	≤ 5.0	2.29
<b>Vinylpyrrolidone, %</b>	≤ 0.1	0.01
<b>Residue on ignition, %</b>	≤ 0.1	0.03
<b>pH of 5% aqueous solution</b>	3.0 - 7.0	5.5
<b>Nitrogen, %</b>	11.5 - 12.8	12.0
<b>Aldehyde, %</b>	≤ 0.05	0.025
<b>Heavy metal, ppm</b>	≤ 10	< 10
<b>Hydrazine, ppm</b>	≤ 1.0	< 1.0
<b>Peroxide, ppm</b>	≤ 400	< 400
<b>Identification IR</b>	Conforms	Conforms
<b>Microbiology</b>	Conforms	Conforms
<b>Organic volatile impurities</b>	Conforms	Conforms

### STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight.  
 When stored for a period longer than the one specified above, quality should be checked before use.

**As it is electronically generated document, hence no signature required**

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