



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : POLYVINYL PYRROLIDONE K 90 (PVP)**

<b>CAS No</b>	<b>: 9003- 39- 8</b>	<b>Product code</b>	<b>: 16953</b>
<b>Mol. Formula</b>	<b>: (C<sub>6</sub>H<sub>9</sub>NO)<sub>n</sub></b>	<b>Batch No</b>	<b>: MCR-27649</b>
<b>Mol. WT</b>	<b>: ~36000</b>	<b>Mfd.</b>	<b>: Feb. 2023</b>
<b>Date of analysis</b>	<b>: 13/02/23</b>	<b>Exp.</b>	<b>: Jan. 2028</b>

S.R	Test	Specification	Observation
1	<b>Description</b>	White to yellowish powder or flakes.	White powder .
2	<b>Identification as per USP</b>	Complies	Complies
3	<b>K – Value</b>	81.0 – 97.2	92.4
4	<b>pH (5% solution)</b>	4.0 – 7.0	6.21
5	<b>Nitrogen content</b>	11.5 - 12.8%	11.82%
6	<b>Aldehyde</b>	0.05 % max	0.004%
7	<b>Hydrazine (N<sub>2</sub>H<sub>4</sub>)</b>	0.0001% max	<0.0001%
8	<b>Lead (Pb)</b>	0.001 % max	<0.001%
9	<b>Vinylpyrrolidone</b>	0.2% max	<0.2%
10	<b>Residue on ignition</b>	0.1% max	0.06%
11	<b>Water (by KF)</b>	5.0% max	1.72%

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**

**[QC Incharge]**

**CHEMIST  
(Deepa)**

**HEAD-QUALITY ASSUARANCE  
(G.G.Salian)**

**Note:** Computer generated image requires no sign.

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