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### CERTIFICATE OF ANALYSIS

**Name of the Sample** : Poly vinyl pyrrolidone K90 for Synthesis  
**Batch No.** : 228424  
**Date of Mfg.** : March 2025  
**Date of Exp** : Feb 2030  
**Register No.** : 2025-26  
**Qty of Sample** : 500gm  
**Date of Analysis** : March 2025

S. No	Test Parameters	Observed Values	Standard Values
1.	Appearance	Passes	White hygroscopic powder
2.	K-value	89.5	81.0 - 97.2
3.	pH (5% solution)	5.9	4.0 - 7.0
4.	Assay (ex N)	12.05%	11.5 - 12.8%
5.	Aldehydes	<0.05%	Max.0.05%
6.	Formic acid	<0.5%	Max.0.5%
7.	Hydrazine (N <sub>2</sub> H <sub>4</sub> )	<0.0001%	Max.0.0001%
8.	Lead (Pb)	<0.001%	Max.0.001%
9.	Vinylpyrrolidone	<0.001%	NMT 0.001%
10.	2-Pyrrolidone	<3.0%	NMT 3.0%
11.	Residue on ignition	0.078%	Max.0.1%
12.	Water (by KF)	4.16%	Max.5.0%

**Chief Chemist**