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CERTIFICATE OF ANALYSIS

CERT. NO.		BATCH NO.	240906
PRODUCT NAME	Polyvinylpyrrolidone (PVP K30)	CAS NO.	9003-39-8
MANUFACTURE DATE	06 TH SEP.,2024	RETEST DATE	05 TH SEP.,2027
BATCH SIZE	7000 KG	STANDARD	USP26

Test Parameter	Specifications	Results
Appearance	White or milky hygroscopic powder	Milky whitehygroscopic powder
solubility	Soluble in water, methanol and ethanol; Slightly soluble in acetone, Insoluble in ether	Complies
Identification A	An orange-yellow precipitate is formed	Complies
Identification B	A pale blue precipitate is formed	Complies
Identification C	A deep red color is produced	Complies
Identification D	A deep red color is produced	Complies
Identification E	Soluble	Complies
Solution appearance	Clear, no darker than standard solutions B6, BY6, R6	Complies
Assay (Nitrogen, %)	11.5~12.8	12.5
Residue on ignition (%)	≤0.1	0.04
Lead (ppm)	<10	<10
Aldehydes (%)	<0.05	0.005
Hydrazine (ppm)	≤1	<1
Vinylpyrrolidone (%)	0.001	0.0003
2-pyrrolidone (%)	≤3.0	1.3
Peroxides (as H ₂ O ₂ ppm)	<400	135
Formic acid (%)	≤0.5	0.15
pH (50mg/mL in water)	3.0~5.0	3.3
Water (%)	≤5.0	2.0
K-value	27.0-32.4	30.1

APPROVED BY: BAI HE

CHECKED BY: TAO SUN

TESTED BY: WAN CHENG

SIGNED BY _____

