



双创国际有限公司
TWIN INTERNATIONAL CO., LIMITED

CERTIFICATE OF ANALYSIS

Povidone (PVP) K17

CHEMICAL FORMULA: (C₆H₉NO)_n CAS:9003-39-8 shelf life: 36 months Standard: usp43

TEST	ITEMS	INDEX	TEST VALUE
Appearance		White powder	White powder
Appearance of solution		Solution S is clear and not more intensely coloured than reference solution B ₆ , BY ₆ or R ₆	confirm
K VALUE		15.3~18.4	17.2
PH value (5% in water)		3.0~5.0	4.4
Solubility		Freely soluble in water,in methanol,and in alcohol,slightly soluble in acetone,practically insoluble in ether.	confirm
Identification		A.Consistent with the CRS	confirm
		B.An orange-yellow precipitate is formed	confirm
		C.A pale blue precipitate is formed	confirm
		D.A deep red color is produced	confirm
		E.The substance dissolves	confirm
Lead		≤2ppm	confirm
Residue on Ignition		≤0.1%	confirm
N-vinylpyrrolidone		≤0.001%	0.0002%
Moisture		≤5.0%	3.7%
Aldehyde		≤0.05%	0.005%
Heavy Metal		≤10ppm	confirm
Nitrogen		11.5%~12.8%	12.00%
Hydrazine		≤1.0ppm	<1.0ppm
2-pyrrolidone		≤3.0%	0.1%
Peroxides (as H ₂ O ₂)		≤400ppm	59ppm
Formic Acid		≤0.5%	0.001%
Residual Solvents (Isopropyl Alcohol)		≤0.5%	0.002%
TAMC		≤10 ³ cfu/g	<10cfu/g
TYMC		≤10 ² cfu/g	<10cfu/g
E.Coli		Negative in 1g	Negative

Packing: 25kg/drum

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