



Specification

PVP K30 USP

Catalog Number: PV1001
CAS Number: 9003-39-8
Synonym(s): Povidone, Unidone
Molecular Formula: $(C_6H_9NO)_n$
Molecular Weight: 29,000 – 32,000
Storage: 15°C – 30°C
Retest Date: Four years after date of manufacture.

Test	Specification
Appearance	White to off-white powder
K-value (% of Stated Value)	90.8 – 108.0%
Identification	
A FTIR	To match reference
B Orange-yellow precipitate	To pass test
C Pale blue precipitate	To pass test
D Red color produced	To pass test
E Dissolution	To pass test
pH (5%)	3.0 – 5.0
Assay for Nitrogen	11.5 – 12.8%
Moisture	≤ 5.0%
Residue on Ignition	≤ 0.1%
Limit of Aldehydes	≤ 0.05%
Limit of Hydrazine	≤ 1ppm
Vinylpyrrolidone	≤ 0.001%
2-Pyrrolidone	≤ 3%
Peroxides	≤ 400ppm
Formic Acid	≤ 0.5%
Lead	≤ 10ppm
Total Plate Count	≤ 1,000cfu/g
Yeast & Mold	≤ 100cfu/g
<i>E. coli</i>	Negative
<i>Salmonella</i>	Negative
<i>Staphylococcus</i>	Negative
Residual Solvents	To pass test

Approved by:

John Grubb, PhD

Date: August 5, 2019



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