



焦作中维特品药业股份有限公司

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CERTIFICATE OF ANALYSIS

PRODUCT NAME: Povidone K90

GRADE: USP 44

BATCH NO.: 2305002

QUANTITY: 1500KGS

MANF. DATE: MAY.02,2023

EXP.DATE: MAY.01,2026

DETECH ITEM	STANDARD	RESULT
Appearance	White or yellowish-white,hygroscopic powder or flakes	White powder
Solubility	Freely soluble in water in ethanol(96%)and in methanol,very slightly soluble in acetone	Conform
Appearance of Solution	Clearly and not more intensely coloured than reference solution B ₆ ,BY ₆ or R ₆	Conform
Identification	A. IR spectrum obtained is consistent with that obtained with Povidone CRS.	Conform
	B.An orange-yellow precipitate is formed	Conform
	C.A pink colour is produced	Conform
	D.A red colour is produced	Conform
	E.The substance dissolves	Conform
pH(5% aqueous solution)	4.0-7.0	5.50
Viscosity(Expressed as K Value)	81.0-97.2	91.20
Aldehydes(Expressed as Acetaldehyde)	≤500 ppm	<500ppm
Peroxides(Expressed as H ₂ O ₂)	≤400 ppm	<400ppm
Formic Acid	≤0.5%	<0.5%
Hydrazine	≤1 ppm	<1.0ppm
Impurity A	≤10 ppm	4.8ppm
Impurity B	≤3.0%	<3.0%
Heavy Metals(As Pb)	≤10 ppm	<10 ppm
Water	≤5.0%	3.10%
Sulphated Ash	≤0.1%	0.05%
Nitrogen Content	11.5-12.8%	12.0%
Total Aerobic plate count ,CFU/g	≤100	<100

Mold/Yeast,CFU/g	≤100	<100
Staphylococcus aureus,CFU/g	Negative	Negative
Salmonella,CFU/g	Negative	Negative
Pseudomonas aeruginosa,CFU/g	Negative	Negative
E.coli CFU/g	Negative	Negative

Conclusion:

The above Specifications comply with the requirements of current USP 44.

ANALYSER:

梁小真

