



JH Nanhang Life Sciences Co., Ltd.

Certificate of Analysis

Product Name	Povidone K30	Batch No.	PK30-240717F31	Date of Mfg	20240717
Quantity	6000KG	Packaging	25KG/Fibre Drum	Retest Date	20280716
Source	PVP Workshop	Reference	Current USP/EP		
No.	Items	Specification			Test Results
1.	Appearance ✓	White or yellowish-white, hygroscopic powder ✓			Complies
2.	Solubility ✓	Freely soluble in water, ethanol 96%, methanol, very slightly soluble in acetone ✓			Complies
3.	Identifications A、B、C、D、E ✓	Positive ✓			Complies
4.	Appearance of solution	Clear and NMT B ₆ , BY ₆ , or R ₆			Complies
5.	pH ✓	3.0-5.0 ✓			3.4
6.	K-value ✓	27.0-32.4 ✓			30.2
7.	Aldehydes, ppm ✓	≤ 500 ✓			12.3
8.	Peroxides, ppm ✓	≤ 400 ✓			51.7
9.	Formic acid, % ✓	≤ 0.5 ✓			0.3
10.	Hydrazine, ppm ✓	≤ 1 ✓			<1
11.	Impurity A(1-vinylpyrrolidin-2-one), ppm ✓	≤ 10 ✓			0.12
12.	Impurity B (2-pyrrolidone), % ✓	≤ 3.0 ✓			1.1
13.	Heavy metals, ppm	≤ 10			<10
14.	Lead, ppm ✓	≤ 10 ✓			<10
15.	Water, % ✓	≤ 5.0 ✓			2.7
16.	Sulphated ash, % ✓	≤ 0.1 ✓			0.05
17.	Nitrogen content, % ✓	11.5 - 12.8 ✓			12.4
18.	Total Aerobic Plate count, CFU/g	≤100			10
19.	Total Mold/Yeast count, CFU/g	≤100			<10
20.	* E.coli , CFU/g	Not detected			Complies
21.	* Staphylococcus Aureus , CFU /g	Not detected			Complies
22.	* Pseudomonas Aeruginosa , CFU /g	Not detected			Complies
23.	* Salmonella, CFU /g	Not detected			Complies

Note: The above items marked * are tested according to customer requirements

Conclusion: Material meets the requirement for Povidone in Current USP/EP

Completed by: Yang Zhimin

Signature: Yang Zhimin

Date: 24/9/2024

QC Manager: Tong Mengxin

Signature: Tong Mengxin

Date: 24/9/2024

Released by QA Manager: Zhang Ming

Signature: Zhang Ming

Date: 24/9/2024

Factory address: No.16 Luyin Road, Hi-Tech Industrial Zone, Quzhou, Zhejiang, 324004 P. R. China

Website: www.jh-nh.comE-mail: info@jh-nh.com

Contact person: Zhang Ming Tel: + 86-0570-3883574





JH Nanhang Life Sciences Co., Ltd.

Certificate of Analysis

Product Name	Povidone K30	Batch No.	PK30-240713F23	Date of Mfg	20240713
Quantity	6000KG	Packaging	25KG/Fibre Drum	Retest Date	20280712
Source	PVP Workshop	Reference	Current USP/EP		
No.	Items	Specification			Test Results
1.	Appearance	White or yellowish-white, hygroscopic powder			Complies
2.	Solubility	Freely soluble in water, ethanol 96%, methanol, very slightly soluble in acetone			Complies
3.	Identifications A、B、C、D、E	Positive			Complies
4.	Appearance of solution	Clear and NMT B ₆ , BY ₆ , or R ₆			Complies
5.	pH	3.0-5.0			3.5
6.	K-value	27.0-32.4			29.6
7.	Aldehydes, ppm	≤ 500			22.1
8.	Peroxides, ppm	≤ 400			78.1
9.	Formic acid, %	≤ 0.5			0.3
10.	Hydrazine, ppm	≤ 1			<1
11.	Impurity A(1-vinylpyrrolidin-2-one), ppm	≤ 10			0
12.	Impurity B (2-pyrrolidone), %	≤ 3.0			1.1
13.	Heavy metals, ppm	≤ 10			<10
14.	Lead, ppm	≤ 10			<10
15.	Water, %	≤ 5.0			2.3
16.	Sulphated ash, %	≤ 0.1			0.06
17.	Nitrogen content, %	11.5 - 12.8			12.4
18.	Total Aerobic Plate count, CFU/g	≤100			<10
19.	Total Mold/Yeast count, CFU/g	≤100			10
20.	* E.coli , CFU/g	Not detected			Complies
21.	* Staphylococcus Aureus , CFU /g	Not detected			Complies
22.	* Pseudomonas Aeruginosa , CFU /g	Not detected			Complies
23.	* Salmonella, CFU /g	Not detected			Complies

Note: The above items marked * are tested according to customer requirements.

Conclusion: Material meets the requirement for Povidone in Current USP/EP.

Completed by: Yang Zhimin

Signature: Yang Zhimin

Date: 24/9/2024

QC Manager: Tong Mengxin

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