



黄山邦森新材料有限公司

HUANGSHAN BONSUN PHARMACEUTICALS CO.,LTD.

Shexian Circular Economy Zone, Huangshan City, China ✓

URL: www.bonsunpvp.com E-mail: sales@bonsunpvp.com

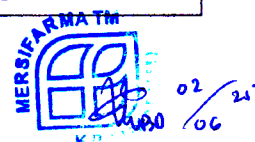
Certificate of Analysis

Item POVIDONE K30
Chemical Description POVIDONE, Polyvinylpyrrolidone
CAS No. 9003-39-8
Batch No. :BK3020250517-1 Manuf. Date : 17 May, 2025
Quantity :400kg Retest Date : 16 May, 2028

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Test	Specification	Results
Appearance	White hygroscopic powder ✓	Complies
Solubility	Freely soluble in water, in methanol, and in alcohol, slightly soluble in acetone, practically insoluble in ether. ✓	Complies
Identification, A	Meets the requirement ✓	Complies
Identification, B	An orange-yellow precipitate is formed ✓	Complies
Identification, C	A pale blue precipitate is formed ✓	Complies
Identification, D	A deep red colour is produced ✓	Complies
Identification, E	The substance dissolves. ✓	Complies
PH (in 5% solution)	3.0 - 5.0 ✓	3.6
Viscosity, as K-value	27.0-32.4 ✓	30.1
Aldehydes, as Acetaldehyde	≤ 500 ppm ✓	44.3ppm
Peroxides, as H ₂ O ₂	≤ 400 ppm ✓	96.4ppm
Hydrazine	≤ 1 ppm ✓	Complies
Vinylpyrrolidinone	≤ 0.001% ✓	Not detected
2-Pyrrolidone	≤ 3.0% ✓	0.89%
Lead	≤ 10 ppm ✓	Complies
Cd*	≤ 0.5 ppm ✓	Complies
Pb*	≤ 0.5 ppm ✓	Complies
As*	≤ 1.5ppm ✓	Complies
Hg*	≤ 3 ppm ✓	Complies

Manuf.site: Shexian Circular Economy Zone, Huangshan City, China





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Test	Specification	Results
V*	≤ 10 ppm ✓	Complies
Co*	≤ 5 ppm ✓	Complies
Ni*	≤ 20ppm ✓	Complies
Water	≤ 5.0% ✓	3.2%
Sulfated ash/Residue on ignition	≤ 0.1% ✓	0.05%
Formic acid	≤ 0.5% ✓	0.1%
Assay, as Nitrogen content	11.5 - 12.8% ✓	12.2%
Microbiological status*	Max 100 aerobic plate count CFU/g ✓	<10
	Max 100 Mold and Yeast CFU/g ✓	<10
	No Escherichia Coli /g ✓	Complies
	No Pseudomonas aeruginosa /g ✓	Complies
	No Salmonella /10g ✓	Complies
	No staphylococcus aureus /g✓	Complies
Conclusion: Material meets the requirement for Povidone in current USP47.		

Packing: 25kg net double lined PE bags, sealed, packed in plastic drum.

Storage: The shelf life of POVIDONE K30 is 3 years in the unopened original packing.

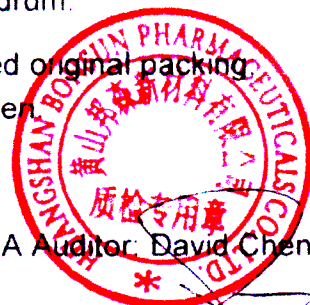
It should be used out asap when the original packing is open.

*The test is verified on random samples only.

Analyst: Fang Dongfeng

QC director: Amanda Yang

QA Auditor: David Cheng





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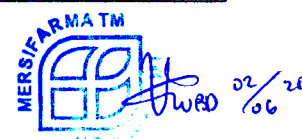
Certificate of Analysis

Item POVIDONE K30
Chemical Description POVIDONE, Polyvinylpyrrolidone
CAS No. 9003-39-8
Batch No. :BK3020250516 Manuf. Date : 16 May, 2025
Quantity :3375kg Retest Date : 15 May, 2028

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Test	Specification	Results
Appearance	White hygroscopic powder ✓	Complies
Solubility	Freely soluble in water, in methanol, and in alcohol; slightly soluble in acetone; practically insoluble in ether. ✓	Complies
Identification, A	Meets the requirement ✓	Complies
Identification, B	An orange-yellow precipitate is formed ✓	Complies
Identification, C	A pale blue precipitate is formed ✓	Complies
Identification, D	A deep red colour is produced ✓	Complies
Identification, E	The substance dissolves. ✓	Complies
PH (in 5% solution)	3.0 - 5.0 ✓	3.6
Viscosity, as K-value	27.0-32.4 ✓	29.6
Aldehydes, as Acetaldehyde	≤ 500 ppm ✓	41.0ppm
Peroxides, as H ₂ O ₂	≤ 400 ppm ✓	92.8ppm
Hydrazine	≤ 1 ppm ✓	Complies
Vinylpyrrolidinone	≤ 0.001% ✓	Not detected
2-Pyrrolidone	≤ 3.0% ✓	0.91%
Lead	≤ 10 ppm ✓	Complies
Cd*	≤ 0.5 ppm ✓	Complies
Pb*	≤ 0.5 ppm ✓	Complies
As*	≤ 1.5ppm ✓	Complies
Hg*	≤ 3 ppm ✓	Complies

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Quantity :3375kg Retest Date : 15 May, 2028

Page: 2/2

Test	Specification	Results
V*	≤ 10 ppm ✓	Complies
Co*	≤ 5 ppm ✓	Complies
Ni*	≤ 20ppm ✓	Complies
Water	≤ 5.0% ✓	3.2%
Sulfated ash/Residue on ignition	≤ 0.1% ✓	0.04%
Formic acid	≤ 0.5% ✓	0.1%
Assay, as Nitrogen content	11.5 - 12.8% ✓	12.2%
Microbiological status*	Max 100 aerobic plate count CFU/g ✓	<10
	Max 100 Mold and Yeast CFU/g ✓	<10
	No Escherichia Coli /g ✓	Complies
	No Pseudomonas aeruginosa /g ✓	Complies
	No Salmonella /10g ✓	Complies
	No staphylococcus aureus /g ✓	Complies
Conclusion: Material meets the requirement for Povidone in current USP47.		

Packing: 25kg net double lined PE bags, sealed, packed in plastic drum.

Storage: The shelf life of POVIDONE K30 is 3 years in the unopened original packing.
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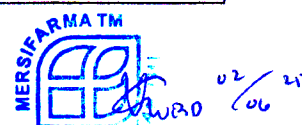
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Certificate of Analysis

Item POVIDONE K30
Chemical Description POVIDONE, Polyvinylpyrrolidone
CAS No. 9003-39-8
Batch No. : BK3020250515 Manuf. Date : 15 May, 2025
Quantity : 3425kg Retest Date : 14 May, 2028
Page: 1/2

Test	Specification	Results
Appearance	White hygroscopic powder ✓	Complies
Solubility	Freely soluble in water, in methanol, and in alcohol; slightly soluble in acetone; practically insoluble in ether. ✓	Complies
Identification, A	Meets the requirement ✓	Complies
Identification, B	An orange-yellow precipitate is formed ✓	Complies
Identification, C	A pale blue precipitate is formed ✓	Complies
Identification, D	A deep red colour is produced ✓	Complies
Identification, E	The substance dissolves ✓	Complies
PH (in 5% solution)	3.0 - 5.0 ✓	3.6
Viscosity, as K-value	27.0-32.4 ✓	29.5
Aldehydes, as Acetaldehyde	≤ 500 ppm ✓	39.3ppm
Peroxides, as H ₂ O ₂	≤ 400 ppm ✓	90.6ppm
Hydrazine	≤ 1 ppm ✓	Complies
Vinylpyrrolidinone	≤ 0.001% ✓	Not detected
2-Pyrrolidone	≤ 3.0% ✓	0.93%
Lead	≤ 10 ppm ✓	Complies
Cd*	≤ 0.5 ppm ✓	Complies
Pb*	≤ 0.5 ppm ✓	Complies
As*	≤ 1.5ppm ✓	Complies
Hg*	≤ 3 ppm ✓	Complies

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Batch No. :BK3020250515 Manuf. Date 15 May, 2025

Quantity :3425kg Retest Date 14 May, 2028

Page: 2/2

Test	Specification	Results
V*	≤ 10 ppm ✓	Complies
Co*	≤ 5 ppm ✓	Complies
Ni*	≤ 20 ppm ✓	Complies
Water	$\leq 5.0\%$ ✓	3.1%
Sulfated ash/Residue on ignition	$\leq 0.1\%$ ✓	0.05%
Formic acid	$\leq 0.5\%$ ✓	0.1%
Assay, as Nitrogen content	11.5 - 12.8% ✓	12.1%
Microbiological status*	Max 100 aerobic plate count CFU/g ✓	<10
	Max 100 Mold and Yeast CFU/g ✓	<10
	No Escherichia Coli /g ✓	Complies
	No Pseudomonas aeruginosa /g ✓	Complies
	No Salmonella /10g ✓	Complies
	No staphylococcus aureus /g ✓	Complies
Conclusion: Material meets the requirement for Povidone in current USP47.		

Packing: 25kg net double lined PE bags, sealed, packed in plastic drum.

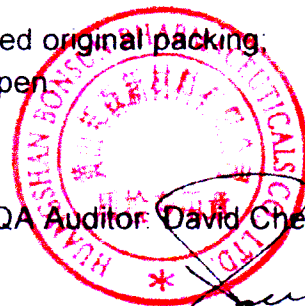
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21 May, 2025
02/25