

Version	00
Molecular weight	.00
Molecular Formula	
CAS No	9003-39-8
Linear Formula	
Flash Point (°C)	

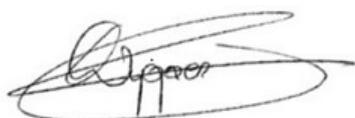
Certificate of Analysis

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Catalog Number	27614	Quality Test / Release Date	12/12/2023
Lot Number	A0458453	Suggested retest date	12/12/2026
Description	Polyvinylpyrrolidone, average M.W. 3500, K12		
Country of Origin	UNITED STATES OF AMERICA		
Declaration of Origin	synthetic		

BSE/TSE	
Chemical	

Result name	Specifications	Test Value
Appearance (Color)	White to yellowish-white	yellowish-white
Appearance (Form)	Powder or flakes	Powder
Infrared spectrum	Conforms	Conforms
Identification	Passes test	Passes test
Nitrogen (N)	11.5 to 12.8 % (on anhydrous substance)	12.0 % (on anhydrous substance)
Water	=<5.0 % (K.F.)	3.9 % (K.F.)
Heavy metals (as Pb)	=<10 ppm	none detected
Sulfated ash	=<0.1 %	0.02 %
pH	3.0 to 5.0 (5 % in water)	3.8 (5 % in water)
Aldehyde	=<0.05 %	0.0073 %
Hydrazine (N ₂ H ₄)	=<1 ppm	=<1 ppm
HPLC	=<10 ppm 1-Vinylpyrrolidin-2-one	0.3 ppm 1-Vinylpyrrolidin-2-one
HPLC	=<3.0 % 2-Pyrrolidone	0.01 % 2-Pyrrolidone
Peroxides	=<400 ppm (Titanyl sulphate method)	33 ppm (Titanyl sulphate method)
Additional info	K-value: 10.2 to 13.8	K-value: 12.7
Additional info	European color test - B color: < B6	European color test - B color: < B6
Additional info	European color test - BY color: < BY6	European color test - BY color: < BY6
Additional info	European color test - R color: < R6	European color test - R color: < R6



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