



CERTIFICATE OF ANALYSIS

Product : **POLYVINYL PYRROLIDONE**
Product number : P1368
Batch number : 018997
Date of manufacturing : 30-05-2023
Date of analysis : 17-07-2023
Date of expiry : 31-05-2026

Packaging and storage : in a well closed, airtight container.

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	white to slightly white powder	complies		hygroscopic IR-spectrum
Identification	conform	complies		
Appearance of solution	clear and colour \leq ref.sol. BY ₆ , B ₆ or R ₆	complies		
pH	3.0 – 5.0	4.0		
K-value	15.3 – 18.4	16.3		
Aldehydes	≤ 500	32	mg/kg	
Peroxides	≤ 400	< 30	mg/kg	
Hydrazine	≤ 1	< 1	mg/kg	
Vinylpyrrolidone	≤ 10	< 2	mg/kg	
2-Pyrrolidone	≤ 3.0	0.2	g/100 g	
Heavy metals	≤ 10	complies	mg/kg	
Lead	≤ 10	complies	mg/kg	
Water	≤ 5.0	1.3	g/100 g	
Residue on ignition	≤ 0.10	complies	g/100g	
Nitrogen	11.5 – 12.8	12.1	g/100 g	

This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:

J. van der Eem, MSc, pharmacist
Department of Quality Control Duchefa B.V.

Date: 17-01-2025

The buyer is responsible to test each batch to ensure the product is suitable for their specific purpose.

Duchefa Biochemie B.V.