



## CERTIFICATE OF ANALYSIS

Product : **POLYVINYL PYRROLIDONE**  
Product number : P1368  
Batch number : 018430  
Date of manufacturing : 11-04-2023  
Date of analysis : 04-05-2023  
Date of expiry : 30-04-2026

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

	SPECIFICATION	RESULT	UNITS	REMARKS
Identification	conform	complies		IR-spectrum
Appearance of solution	clear and colour $\leq$ ref.sol. BY <sub>6</sub> , B <sub>6</sub> or R <sub>6</sub>	complies		
pH	3.0 – 5.0	4.0		
K-value	15.3 – 18.4	16.1		
Aldehydes	$\leq$ 500	38	mg/kg	
Peroxides	$\leq$ 400	30	mg/kg	
Hydrazine	$\leq$ 1	<1	mg/kg	
Vinylpyrrolidone	$\leq$ 10	< 2	mg/kg	
2-Pyrrolidone	$\leq$ 3.0	0.1	g/100 g	
Heavy metals	$\leq$ 10	complies	mg/kg	
Lead	$\leq$ 10	complies	mg/kg	
Water	$\leq$ 5.0	1.3	g/100 g	
Residue on ignition	$\leq$ 0.10	complies	g/100g	
Nitrogen	11.5 – 12.8	12.3	g/100 g	

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

Conclusion: approved

Released by:

drs. M. van Wissen, pharmacist  
Department of Quality Control Duchefa B.V.

Date: 03-04-2024

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

Duchefa Biochemie B.V.



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