



CERTIFICATE OF ANALYSIS

Product : **POLYVINYL PYRROLIDONE**
Product number : P1368
Batch number : 017202
Date of manufacturing : 16-03-2022
Date of analysis : 11-04-2022
Date of expiry : 31-03-2025

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 ₆ , B ₆ or R ₆	complies		
pH	3.0 – 5.0	4.0		
K-value	15.3 – 18.4	16.1		
Aldehydes	\leq 500	32	mg/kg	
Peroxides	\leq 400	40	mg/kg	
Hydrazine	\leq 1	<1	mg/kg	
Vinylpyrrolidone	\leq 10	< 2	mg/kg	
2-Pyrrolidone	\leq 3.0	0.2	g/100 g	
Heavy metals	\leq 10	complies	mg/kg	
Lead	\leq 10	complies	mg/kg	
Water	\leq 5.0	1.4	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: 02-08-2022

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

Duchefa Biochemie B.V.

