



Specification

Concerning Product:	
Article number	9003398BP90
Trade name / designation / denomination	Polyvinylpyrrolidon (PVP) 90F
CAS number	9003-39-8
Other names / synonyms	•2-Pyrrolidinone, 1-ethenyl-, homopolymer; •Polyvinylpyrrolidone;
EC number	618-363-4
Customs tariff number / CN code / TARIC	39059990

Parameter	Test Method	Specification	Unit
Organoleptic test			
Appearance of solution		Clear and not more intensely colored than reference solution BY6/B6/R6	
Physical parameter			
Loss on drying	Karl Fischer	≤ 5,0	
Peroxides (O ₂ ²⁻)		as H ₂ O ₂ : ≤ 400	ppm
pH value		4,0 – 7,0	
Viscosity		as K value 81,0 – 97,2	
Identity			
Assay	calc. on the anhydrous substance	Nitrogen 11,5 – 12,8	%
Identification	IR	complies	
Impurities			
Aldehydes		as acetaldehyde ≤ 500	ppm
Residue on ignition	sample weight 10 - 20 g	≤ 0,1	%
Heavy Metals (as Pb)		≤ 10,0	ppm
Sulphated ash	sample weight: 10 - 20 g	≤ 0,1	%

Impurity		1-Vinylpyrrolidin-2-one ≤ 10	ppm
Impurity		2-Pyrrolidone ≤ 3,0	%
Impurity		Hydrazine ≤ 1	ppm
Impurity		Triethanolamine ≤ 0,5	g/100g
Residual Solvents			
Residual solvents		Formic acid ≤ 0,5	%
Elemental Impurities			
Lead (Pb)		≤ 10,0	ppm
Microbiological data			
Aerobic microorganisms		≤ 200	CFU/g
Yeast and Mould		≤ 20	CFU/g

Supplemental information:

Complies with monographie: Ph. Eur., USP/NF, JP

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 02. Nov. 2021

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