

Parameter	Value	Unit
Appearance	White powder	—
Solubility	Freely soluble in water, in ethanol and in methanol, very slightly soluble in acetone	—
Identification	A, B, C, D, E	—
Appearance of solution (1 g in 20 ml water)	≤ B6, BY6 or R6	—
pH (5 % in water)	3.0 – 5.0	—
K-Value	29.0 – 32.0	—
Aldehydes	≤ 500	ppm
Peroxides	≤ 400	ppm
Hydrazine	≤ 1	ppm
Impurities: 1-Vinylpyrrolidin-2-one	≤ 10	ppm
Impurities: 2-Pyrrolidone	≤ 3	%
Heavy metals	≤ 10	ppm
Water	≤ 5.0	%
Sulphated ash	≤ 0.1	%
Formic acid	≤ 0.5	%
Nitrogen content	11.5 – 12.8	%

General Product Data

Property	Value
GHS pictograms	00
CAS number	9003-39-8
Molecular weight	40 k
Sum formula	(C ₆ H ₉ NO) _x
PubChem number	6917
Synonyms	1-ethenylpyrrolidin-2-one; Povidone; Polyvidone; Poly[1-(2-oxo-1-pyrrolidinyl)ethylene]
Solubility in water	Soluble
Storage temperature	15 – 25 °C