

METHYL-2-PYRROLIDONE (N-) HPLC



Specification

Parameter	unit	Requirements
Assay (GC)	%	min. 99,5
Water	%	max. 0,05
Evaporation residue	%	max. 0,0005
Acidity	meq/g	max. 0,0005
UV - transmittion (1 cm, water):		
280 nm	%	min. 50
290 nm	%	min. 70
310 nm	%	min. 80
330 nm	%	min. 95
350 nm	%	min. 99

Guarantee: 3 years from production date.

Regulatory and transport information

Symbol: Xi

R-phrases: 36/38

S-phrases: 41

ADR Class and package group: not subject to transport regulations

UN Number: not applicable

Name (acc. to UN): not applicable

Physical and chemical properties

Form: liquid

Colour: Colourless to yellow

Odour: amine-like

pH value: 8,5 - 10,0 (100 g/l H₂O, 20°C)

Melting point: -24°C

Boiling point: 202°C

Ignition temperature: 245°C

Flash point: 91°C

Explosion limit:

lower: 1,3 Vol%

upper: 9,5 Vol%

Dynamic viscosity: 1,80 mPa*s (20°C); 0,97 mPa*s (100°C)

Vapour pressure: 1,33 hPa (20°C), 0,33 hPa (40°C)

Density: 1,03 g/cm³ (20°C)

Bulk density: not applicable

Solubility:

in water: 1000 g/l (20°C)

in organic solvents: not available