

Specification

Parameter	unit	Requirements
Assay (GC)	%	min. 99,5
Water	%	max. 0,02
Acidity	meq/g	max. 0,0005
Evaporation residue	%	max. 0,001
UV - transmittion (1 cm, water):		
230 nm	%	min. 50
250 nm	%	min. 80
260 nm	%	min. 90
280 nm	%	min. 95
300 nm	%	min. 99
Stabiliser (BHT)	ppm	~5

Guarantee: 3 years from production date.

Regulatory and transport information

Symbol: F+ Xn

R-phrases: 12-19-22-66-67

S-phrases: 9-16-29-33

ADR Class and package group: 3,I

UN Number: 1155

Name (acc. to UN): diethyl ether

Physical and chemical properties

Form: liquid

Colour: colourless

Odour: characteristic

pH value: not available

Melting point: -116,3°C

Boiling point: 34,6°C

Ignition temperature: 180°C

Flash point: -40°C

Explosion limit:

lower: 1,7 Vol%

upper: 36 Vol%

Dynamic viscosity: 0,23 mPa*s

Vapour pressure: 587 mbar (20°C)

Density: 0,71 g/cm³ (20°C)

Bulk density: not applicable

Solubility:

in water: 69 g/l (20°C)

in organic solvents: soluble