

Specification

Parameter	unit	Requirements
Assay (GC)	%	min. 99,8
Water (KF)	%	max. 0,02
Evaporation residue	%	max. 0,0005
Acidity	meq/g	max. 0,0005
UV - transmittion (1 cm, water):		
250 nm	%	min. 65
260 nm	%	min. 75
270 nm	%	min. 85
280 nm	%	min. 93
290 nm	%	min. 97

Guarantee: 2 years from production date.

Regulatory and transport information

Symbol: F Xn

R-phrases: 11-19-36/37-40-66

S-phrases: 16-36/37-46

ADR Class and package group: 3,II

UN Number: 1165

Name (acc. to UN): 1,4-dioxan

Physical and chemical properties

Form: liquid

Colour: colourless

Odour: weak aromatic

pH value: 6 - 8 (500 g/l H₂O, 20°C)

Melting point: 11°C

Boiling point: 101°C

Ignition temperature: 375°C

Flash point: 12°C

Explosion limit:

lower: 1,9 Vol%

upper: 22,5 Vol%

Dynamic viscosity: 1,32 mPa*s (20°C)

Vapour pressure: 41 mbar (20°C)

Density: 1,03 g/cm³ (20°C)

Bulk density: not applicable

Solubility:

in water: soluble

in organic solvents: soluble