

## Potassium Hydroxide Solution 50% Pure Grade KOH in H<sub>2</sub>O

Chemical Identity:	Potassiumhydroxide, 50% Solution in Water Caustic potash lye KOH in H <sub>2</sub> O
CAS-No.	1310-58-03
EINECS-Nr.	215-181-3
Molar Mass	56.1056 g/mol
Appearance	clear, colourless liquid
Packaging	tankship, tanker, rail tank car tank car 27/55t

### Physical Data

Property	Value (approx.)	Unit
Density	1.51	g/cm <sup>3</sup>
Viscosity (20°C)	6.6	mPa s
Freeze point	10	°C
Boiling point (1013 hPa)	146	°C

### Specification

Property	Value	Unit	Method
Total alkalinity as KOH	49.7 - 50.3	mass %	Titration
Sodium	≤ 0.3	mass %	AES
Carbonate	≤ 0.1	mass %	IR
Chloride	≤ 3	mg/kg	Turbidity
Iron	≤ 4	mg/kg	ICP - OES
Lead	≤ 1	mg/kg	ASV
Mercury	≤ 0.10	mg/kg	AAS
Sulfate	≤ 20	mg/kg	IC
Silicon	≤ 5	mg/kg	ICP - OES
Calcium	≤ 10	mg/kg	ICP - OES

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### Further Data

### Specification

Property	Value	Unit	Method
Nickel	≤ 1	mg/kg	ASV
Arsenic	≤ 0.5	mg/kg	ICP - OES
Heavy metals as lead	≤ 1,0	mg/kg	ASV

This product complies with Food Directive 2012/231/EC

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