

Technical Data Sheet

Potassium hydroxide

Compound Information

Product Name:	Potassium hydroxide
CAS No.:	1310-58-3
Molecular Formula:	KOH
Molecular Weight:	56.11
Storage:	Store at RT
Revision Date:	2026-04-15



Analytical Information

Tests	Specifications
Appearance	White, deliquescent pellets
Solubility	H ₂ O: 1 M at 20 °C, clear, colorless
Melting Point	361 °C (lit.)
Elemental Analysis (Theory) Nitrogen compounds (as N)	≤ 0.001%
Heavy Metals	≤0.001% (as Ag)
Anion Chloride (Cl)	≤0.01%
Anion Phosphate (PO ₄)	≤5 ppm
Anion Sulfate (SO ₄)	≤0.003%
Cation Calcium (Ca)	≤0.005%
Cation Iron (Fe)	≤0.001%
Cation Magnesium (Mg)	≤0.002%
Cation Nickel (Ni)	≤0.001%
Cation Sodium (Na)	≤0.05%
Carbonate	≤2% (as K ₂ CO ₃)
Assay by titration	≥ 85% (as KOH)
Specification Reference	ACS reagent
IR	Pass test

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