

Potassium hydroxide, solution 0,1 mol/l (0,1 N)**Identification**

KOH
M = 56,11 g/mol
CAS [1310-58-3]
EC number: 215-181-3
Taric code: 2815 20 90

Applications

analytical chemistry, titrant in volumetric analysis.

Specifications

factor..... 0,999 - 1,001
uncertainty \pm 0,001

1 ml = 0,005611 g KOH

This solution was analysed using a certified reference material (potassium hydrogen phthalate).

The certified reference material is ISO 17034 accredited, measured according to ISO/IEC 17025 and traceable to the International System of Units by means of a Standard Reference Material from NIST: SRM[®] 84 (Potassium Hydrogen Phthalate).

Physical data

- Density: 1,01 g/cm³
- Boiling point: ~ 100 °C
- pH(20 °C) ~ 13

Safety - GHS

Signal Word: Warning

Hazard Statements:

H315: Causes skin irritation.
H319: Causes serious eye irritation.

**Precautionary Statements:**

P280: Wear protective gloves / protective clothing / eye protection / face protection.
P264: Wash thoroughly after handling.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321: Specific treatment (see on this label).
P332+P313: If skin irritation occurs: Get medical advice / attention.
P337+P313: If eye irritation persists: Get medical advice / attention.

Transport/storage

- ADR: 8 C5 III • UN 1814 • POTASSIUM HYDROXIDE SOLUTION
- IMDG: 8 III • UN 1814 • POTASSIUM HYDROXIDE SOLUTION
- IATA/ICAO: 8 III • UN 1814 • POTASSIUM HYDROXIDE SOLUTION
- PAX: 819
- CAO: 821
- 10°C - 30°C