

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)

Email USA: [techserv@sial.com](mailto:techserv@sial.com)

Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:  
Potassium hydroxide – ACS reagent, ≥85%, pellets

**Product Number:** 221473  
**CAS Number:** 1310-58-3  
**MDL:** MFCD00003553  
**Formula:** HKO  
**Formula Weight:** 56.11 g/mol

KOH

TEST	Specification
Appearance (Color)	White
Appearance (Form)	Pellets
X-Ray Diffraction	Conforms to Structure
Titration by HCL % KOH	≥ 85.00 %
Titration by HCL % K <sub>2</sub> CO <sub>3</sub>	≤ 2.00 %
Chloride Content	≤ 0.01 %
Nitrogen Compounds	≤ 0.001 %
Phosphate	≤ 5 ppm
Sulfate	≤ 0.003 %
Meets ACS Requirements	Current ACS Specification
Sodium (Na)	≤ 0.05 %
Calcium (Ca)	≤ 0.005 %
Magnesium (Mg)	≤ 0.002 %
Iron (Fe)	≤ 0.001 %
Heavy Metals by ICP-OES	≤ 0.001 %
Nickel (Ni)	≤ 0.001 %
Note Material Typically Contains 10%-15% Water	Confirmed
Recommended Retest Period 2 Years	-----

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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**KOH****TEST****Specification**

Specification: PRD.1.ZQ5.1000004300

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