

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:
Potassium iodide – ACS reagent, ≥99.0%

Product Number: 221945
CAS Number: 7681-11-0
MDL: MFCD00011405
Formula: KI
Formula Weight: 166.00 g/mol

KI

TEST	Specification
Appearance (Color)	White
Appearance (Form)	Crystals
X-Ray Diffraction	Conforms to Structure
Titration by Potassium Iodate	≥ 99.0 %
Loss on Drying	≤ 0.2 %
Insoluble matter	≤ 0.005 %
Barium	≤ 0.002 %
Miscellaneous Assay	≤ 0.01 %
Chloride and Bromide	
Iron (Fe)	≤ 3 ppm
Heavy Metal	≤ 5 ppm
As Lead	
Miscellaneous Assay	≤ 3 ppm
Iodate	
Calcium (Ca)	≤ 0.002 %
Magnesium (Mg)	≤ 0.001 %
Sodium (Na)	≤ 0.005 %
pH	6.0 - 9.2
At 25°C; c = 5%; Water	
Phosphate (PO ₄)	≤ 0.001 %
Sulfate (SO ₄)	≤ 0.005 %
Meets ACS Requirements	Current ACS Specification

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. 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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Specification

Recommended Retest Period

4 Years

Specification: PRD.2.ZQ5.10000003852

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