

Certificate of Analysis

Product : Potassium Iodide
 Meets ACS specifications
CAS # 64-19-7
CHEMICAL FORMULA : KI

Product Code : CP-M1969D
Lot: MCP4938
Density: 3.13 g/mL
F.W. 166.00

Characteristic	Requirement		Results	Units
Appearance (Color)	White		White	N/A
Appearance (Form)	Crystals		Crystals	N/A
X-Ray Diffraction	Conforms to structure		Conforms	N/A
	Min.	Max.		
Titration by Potassium Iodate (KIO ₃)	≥99.0		99.3	%
Loss on Drying		≤0.2	0.1	%
Insoluble Matter		≤0.005	0.002	%
Barium (Ba)		≤ 0.002	0.001	%
Miscellaneous Assay - Chloride and Bromide		≤0.01	<0.01	%
Iron (Fe)		≤ 3	<1	ppm
Heavy Metals as lead (Pb)		≤ 5	1	ppm
Miscellaneous Assay Iodate		≤ 3	< 3	ppm
Calcium (Ca)		≤ 0.002	0.001	%
Magnesium (Mg)		≤ 0.001	0.001	%
Sodium (Na)		≤ 0.005	0.003	%
pH at 25C, at 5% wt, water	6.0	9.2	6.0	N/A
Phosphate (PO ₄)		≤ 0.001	< 0.001	%
Sulfate (SO ₄)		≤ 0.005	0.005	%
Meets ACS Requirements	ACS Specific.		Conforms	
Release Date	2023-Dec-22			
Retest Date	2027-Dec			

This is to certify that samples of the lot number above were tested and found to comply with the stated specifications. Some or all data have been provided by vendors/third parties. ChemPure Brand Chemicals expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular use or purpose. Persons using this information should make their own determination regarding its suitability for their particular use.

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