

# Technical Data Sheet

## Crystalline Potassium Iodide, KI

ACS Grade, Free Flowing

Product Code: 9006

Mechanically processed to create a completely flowable product for a prolonged period of time.

Potassium iodide is a non-hazardous, binary, inorganic salt. This product is suitable for use in all industrial and institutional applications requiring a very high purity material. Use as a stabilizer in nylon and polymer production, as a laboratory reagent, and for catalytic reactions. Use as a stabilizer and source of iodine in sanitizers and disinfectants, and in dietary supplements or salts. Use in photo film, metal finishing, liquid crystal screen displays, and any other application requiring a very pure potassium iodide product.

IodiTech's KI is created using the purest raw materials from the most reliable sources and manufactured in a state-of-the-art production facility. This ACS Grade potassium iodide meets, or surpasses, all testing for ACS grade specifications..

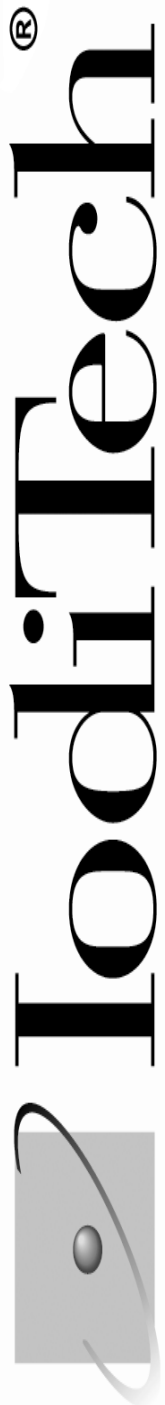
### Technical Identification and Description:

Chemical Name:	Potassium Iodide, KI <sub>(s)</sub>
CAS:	7681-11-0
Characteristics:	White granular material of varying particle size with free flowing characteristics. Odorless.
Particle Size:	70% passage through 10 mesh screen
Loss on drying	≤0.2% maximum @150°C

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## Typical Analysis:

Identity test - Potassium	Positive
Identity test - Iodide	Positive
Assay	99.0% minimum
Loss on Drying @ 150° C	0.2%
pH, 5% solution @ 25° C	6.0 - 9.2
Insoluble matter <sup>2</sup>	≤0.005%
Chloride/Bromide (as Cl)	≤0.01%
Iodate content	≤3 ppm
Phosphate	≤0.001%
Sulfate (as SO <sub>4</sub> )	≤0.005%
Barium	≤0.002%
Heavy metals (as Pb) <sup>1</sup>	≤5 ppm
Iron	≤3 ppm
Calcium	≤0.002%
Magnesium	≤0.001%
Sodium	≤0.005%



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## Available Quantities:

25 lbs	9006-050
50 lbs	9006-049
25 kg	9006-055
100 lbs	9006-100
50 kg	9006-110

All packaging containers are plastic and lined with food grade polyethylene.  
Custom packaging available.

## Disclaimer:

IodiTech Inc. is not responsible for the end use of product or any information contained herein.

Testing performed using ACS certified methods.

Notes:

<sup>1</sup> Not tested for routinely

<sup>2</sup> Testing performed by third party laboratory