



# Technical Data Sheet

## Crystalline Potassium Iodide, KI<sub>(s)</sub>

USP/FCC Grade, Free Flowing

Product Code: 9003

Not for use as an Active Pharmaceutical Ingredient.

Potassium iodide is a non-hazardous, binary, inorganic salt. For use when your potassium iodide material must be well tested for use in any application. Excellent for use as a stabilizing agent in all iodine solutions, for making tincture of iodine, wound sprays, as a source of elemental dietary iodine in all species, and as an iodine source in aquarium salts, and similar products. This material is designed to work in all other applications requiring a well tested potassium iodide product.

IodiTech's KI is made using the purest raw materials, from the most reliable sources, in a state-of-the-art production facility. This free flowing potassium iodide meets, or surpasses, all guidelines for KI to receive the USP/FCC Grade label.

### Technical Identification and Description:

Chemical Name:	Potassium Iodide, KI <sub>(Solid)</sub>
CAS:	7681-11-0
Characteristics:	White to off white granular material of varying particle sizes with free flowing properties. Odorless.
Particle Size:	70% passage through 10 mesh screen
Bulk Density:	70 -80 pounds per cubic foot (75 pound nominal)



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## Typical Analysis:

Identity Test- Potassium	Positive
Identity Test- Iodide	Positive
Alkalinity	Passes test
Iodate content	4.0 mg/kg maximum
Nitrates and Ammonia	Passes test
Thiosulfate & Barium	Passes test
Heavy metals (as Pb)	0.001% maximum
Assay (as is)	99.0-101.5%
Loss on Drying	1.0% maximum
pH (FCC)	6-10
Lead (FCC)	4 mg/kg maximum

Minimum and maximum indicate limits of detection under USP testing protocol

Retest date: Three years after manufacture date

*Note: Also available in as Fine Granular (Part # 9012) with a very uniform small particle size that is flowable.*

## Available Quantities:

25 lbs	9003-050
50 lbs	9003-049
25 kg	9003-055
50 kg	9003-110

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



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**Disclaimer:**

IodiTech Inc. is not responsible for the end use of product or any information contained herein. Laboratory results provided are not lot specific. Testing is performed using USP/FCC certified methods. Lead content testing is performed by a third party laboratory.