



TECHNICAL DATA SHEET

**Product Name:** Potassium Iodide

**Grade:** Food Grade

**CAS No.:** 7681-11-0

**Molecular Formula:** KI

**Molecular Weight:** 166.00

**EINECS No.:** 231-659-4

**EC Number:** 009-004-00-7

**Description:**

Potassium Iodide (KI) is a white crystalline powder with a salty and slightly bitter taste. It is highly soluble in water and is used as an iodine supplement in food and salt fortification. This product is suitable for human consumption and meets international food additive standards.

**Specifications:**

Parameter	Specification
Assay (KI content)	≥ 99.0%
Appearance	White crystalline powder
pH (5% solution)	6.0 – 9.2
Loss on Drying	≤ 1.0%
Iodate (IO <sub>3</sub> <sup>-</sup> )	≤ 3 ppm
Heavy Metals (as Pb)	≤ 10 ppm
Arsenic (As)	≤ 1 ppm
Sulfate (SO <sub>4</sub> <sup>2-</sup> )	≤ 150 ppm
Thiosulfate	Passes test

**Packaging:**

25 kg fiber drums or HDPE drums with double inner polyethylene bags or as per customer requirements.

**Applications:**

Iodine supplement in iodized salt

Nutritional fortification in food products  
Used in food processing and bakery applications  
Antioxidant and stabilizer in some food formulations

### **Storage & Shelf Life:**

Store in a tightly closed container, in a cool, dry, and well-ventilated area, away from light and moisture. Shelf life is 24 months under recommended conditions.

### **Handling:**

Avoid direct contact with skin or eyes. Use personal protective equipment in industrial settings. Refer to the MSDS for detailed safety information.

