

# Chem-Impex International, Inc.

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## Product Specifications

# KI

**Catalogue Number** 29805

**Product** **Potassium iodide**

**CAS Number** 7681-11-0

**Molecular Formula** KI

**Molecular Weight** 166

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**Warnings** *Irritant! Moisture sensitive!*

**Appearance** White or almost white crystalline powder

**Appearance of Solution** A 10% w/v solution in carbon dioxide free water is clear and colorless.

**Solubility** Very soluble in water, freely soluble in glycerol, soluble in ethanol (96%)

**Heavy Metals**  $\leq 10$  ppm

**Anion** Iodate ( $\text{IO}_3^-$ ): No blue color develops.  
Sulfate ( $\text{SO}_4^{2-}$ ):  $\leq 150$  ppm.

**Cation** Iron (Fe):  $\leq 20$  ppm

**Alkalinity**  $\leq 0.5$  mL of 0.01M HCl

**Loss on Drying**  $\leq 1.0\%$

**Assay (anhydrous basis)** 99-100.5%

**Grade** BP, EP

**Storage** Store at RT

**Additional Information** Identification: Gives reactions of iodides. Gives reactions of Potassium.  
Test for iodate: No blue color develops.  
Test for thiosulfates: A blue color is produced.

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**For Laboratory Use Only**