

# *Chem-Impex International, Inc.*

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825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	24751
<b>Lot Number</b>	KI/10108
<b>Product</b>	<b>Potassium iodide</b>
<b>CAS Number</b>	7681-11-0
<b>Molecular Formula</b>	KI
<b>Molecular Weight</b>	166
<b>Appearance</b>	White powder
<b>Solubility</b>	145 g in 100 mL at 20 °C
<b>Melting Point</b>	680 °C
<b>Heavy Metals</b>	3 ppm
<b>Anion</b>	Chloride and Bromide (as Cl <sup>-</sup> ): 0.008% Iodate (IO <sub>3</sub> <sup>-</sup> ): 1 ppm Phosphate (PO <sub>4</sub> <sup>3-</sup> ): 0.0004% Sulfate (SO <sub>4</sub> <sup>2-</sup> ): 0.00023%
<b>Cation</b>	Barium (Ba): 0.0009% Iron (Fe): 1 ppm Calcium (Ca): 0.0007% Magnesium (Mg): 0.0005% Sodium (Na): 0.00028%
<b>pH</b>	7.16 (25 °C, 5% solution)
<b>Loss on Drying</b>	0.2%
<b>Insoluble material</b>	0.0014%
<b>Assay by titration</b>	99.38%
<b>Grade</b>	ACS
<b>Application</b>	Iodometric titrations; reducing agent
<b>Storage</b>	Store at RT

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**Remarks**

See material safety data sheet for additional information

For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**