

## TMB 097 – POTASSIUM IODIDE

<b>REF NO:</b> TBL/QA/SS/LC/TMB 097	<b>STANDARD SPECIFICATION FOR POTASSIUM IODIDE</b>	<b>Rev. No:</b> 03
<b>Issue No:</b> 04		<b>Review Date:</b> 06/02/2025
<b>Issue Date:</b> 07/02/2022		<b>Product code:</b> TMB 097

### PRODUCT PROPERTIES

<b>C.A.S Number</b>	7681-11-0
<b>Chemical Formula</b>	KI
<b>Formula weight</b>	166.00
<b>Functional Uses</b>	Potassium iodide may be used to inhibit active oxygen as a component of processes such as DNA damage. Potassium iodide is used as a chaotropic agent which, in high concentrations can dissolve a gel matrix
<b>Standard Packaging</b>	100 gm. & 250 gm.

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Colourless or white crystals or crystalline powder or granules
Solubility	Soluble in water.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH	6.0– 9.2
Iodate (IO <sub>3</sub> )	NMT – 3 ppm
Iron (Fe)	NMT – 3 ppm
Heavy metals (Pb)	NMT – 5 ppm
Loss on drying (at 105 OC, 2hrs)	NMT – 1.0 %
DNases/ RNases	None Detected
Assay	NLT – 99.5%
pH	6.0– 9.2
Iodate (IO <sub>3</sub> )	NMT – 3 ppm

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

