

ASES CHEMICAL WORKS

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CERTIFICATE OF ANALYSIS

1. Name of the Product	Potassium Iodide
2. INCI Name	Potassium Iodide
3. CAS Number	7681-11-0
4. Formula	KI
5. Batch No & Mfg. Date	As mentioned on Label
6. Date Of Exp	3 Years From MFG Date
7. Date of Analysis	May-2024

TEST	SPECIFICATION	RESULT
Description	A white crystalline powder, odourless.	A white crystalline powder
Solubility	Very soluble in water , freely soluble in Glycerine ; Soluble in 95 % Ethanol.	Complies the test.
Identification	The solution gives the reaction of Potassium Salt and of Iodide	Complies the test.
Appearance	Solution is clear and colourless	Clear and colourless
Alkalinity	No colour is produced in addition of drop of phenolphthalein solution	Complies the test.
Arsenic	NMT 2 ppm	Not dedected
Heavy Metals	Max . 10 ppm	Less than 10 ppm
Iron	Max. 20 ppm	Less than 20 ppm
Barium	No turbidity develops within one minute	Complies the test.
Cyanide	No blue colour produced	Complies the test.
Iodates	No blue colour is produced within 2 minutes	Complies the test.
Sulphates	Max. 150 ppm	Less than 150 ppm
Thiosulphate & Barium	A blue colour is produced	Complies the test.
Insoluble matter	Max. 0.02%	< 0.0002 %
Loss on drying	NMT . 1.0 %	0.14%
Assay (on dried basis)	NLT 99.0% and NMT 100.5 % of KI	99.37%