



Identity: Potassium Iodide (KI)

CERTIFICATE OF ANALYSIS

Test Parameters	Results	Standard Limits
Description	A White Granular Powder	Hexahedral Crystal, Either Transparent and colorless or somewhat opaque slightly hygroscopic powder
Solubility	Complies	Very soluble in water & even more soluble in boiling water freely soluble in alcohol
Iodine Content	75.98%	75.69% - 76.45%
Alkalinity	Complies	No color produced
pH(5 % w/w in water)	7.85	6.00 – 9.20
Loss on Drying (110 Deg C, 2 hours)	0.28%	0.20% - 0.50%
Iodate(IO ₃)	0.0000%	0.0000 % - 0.0003%
Sulphate (So ₄)	0.001%	0.001% - 0.015%
Heavy Metals (as Pb)	0.000%	0.000% - 0.001%
Loss on Drying @105 ⁰ C for 4 Hour	0.31	NMT 0.50%
Thiosulphate and barium	Complies	No turbidity develops within 1 minute.
Iron(Fe)	0.0001%	0.0000% - 0.0005%

NOTE :

- (1) Quality of our product tested and reported in the COA are as per the specification and without any prejudice/liability whatsoever the end product performance.
- (2) Any quality deviation must be brought to our notice within 10 days from the date of delivery of the material at the Customer's end. No quality deviations will be entertained after 10 days which please note. In case of advance payments the quality issues if any should be reported within 7 days from the date of receipt of the material for appropriate action.