

F-QC-001 Rev.00

## Certificate Of Analysis

Product Name : Potassium Iodide 99.5 % AR

Catalog Number : O-5153

Batch Number : 5153-00000000

CAS Number : 7681-11-0

Molecular Weight : 166.0 g/mol

Mol. Formula : KI

Expire Date : 60 Months



No	Test	Specifications	Results
1	Appearance	White crystalline powder	White crystalline powder
2	Assay (argentometric, on anhydrous basis)	min 99.5 %	100.110%
3	pH (5% solution at 25 °C )	6.0 – 9.0	6.8
4	Loss on drying at 105 °C	max 0.2 %	0.15%
5	Free alkali	max 0.02 %	Nil
6	Thiosulphate	max 0.005 %	0.0020%
7	Chloride and bromide (as Cl)	max 0.01 %	0.001%
8	Iodate (IO <sub>3</sub> )	max 0.0005 %	0.0002%
9	Nitrogen compounds (as N)	max 0.001%	0.00042%
10	Phosphate (PO <sub>4</sub> )	max 0.001%	0.0003%
11	Sulphate (SO <sub>4</sub> )	max 0.001%	0.0003%
12	Barium (Ba)	max 0.002 %	0.0003%
13	Calcium (Ca)	max 0.001 %	0.0007%
14	Magnesium (Mg)	max 0.001 %	0.0005%
15	Iron (Fe)	max 0.0003 %	0.000012%
16	Heavy metals (as Pb)	max 0.0005 %	0.00011%
17	Sodium (Na)	max 0.03 %	0.001%
18	Arsenic ( As )	max 0.00001 %	0.0000055%

Corresponds to AR/ACS Grade

**LABOTIQ** Standard of Product Reference to Analar standard and ACS specification



SUDIRO S.Si.  
Manager QC