



**ChemPure* Brand
Chemicals**

Cust-Product Code: CP-A1969D
Lot #: 2019111136

...Pure Quality

CERTIFICATE OF ANALYSIS

PRODUCT NAME: **Potassium Iodide**
Crystal, ACS

F.W.: 166.0000

CHEMICAL FORMULA: KI

CAS No: 7681-11-0

Density: 1.0000

ANALYTICAL RESULTS

ITEM	SPECIFICATIONS	ANALYSIS
Heavy Metals (as Pb)	5 ppm max.	1 ppm
Assay (KI)	99.0% min.	99.9%
Barium (Ba)	0.002% max.	0.00002%
Calcium (Ca)	0.002% max.	0.00006%
Chloride and bromide (as Cl)	0.01% max.	0.001%
Color	White	Passes Test
Form	Granules	Passes Test
Insoluble Matter	0.005% max.	0.0003%
Iodate (IO ₃)	3 ppm max.	<3 ppm
Iron (Fe)	3 ppm max.	1 ppm
Loss on Drying at 150°C	0.2% max.	<0.1%
Magnesium (Mg)	0.001% max.	0.00003%
pH of a 5% solution at 25°C	6.0-9.2	6.8
Phosphate (PO ₄)	0.001% max.	0.0001%
Sodium (Na)	0.005% max.	0.003%
Sulfate (SO ₄)	0.005% max.	0.002%
Manufacture Date	Record Actual	10/22/2019
Expiration date	Record Actual	10/21/2021

REMARKS

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