



**ChemPure\* Brand  
Chemicals**

Cust-Product Code: CP-M1969D  
Lot #: 2020092934

...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.	100.0%
Barium (Ba)	0.002% max.	0.00004%
Calcium (Ca)	0.002% max.	0.0002%
Chloride and bromide (as Cl)	0.01% max.	0.005%
Color	White	Passes Test
Form	Granules	Passes Test
Insoluble Matter	0.005% max.	0.002%
Iodate (IO <sub>3</sub> )	3 ppm max.	<3 ppm
Iron (Fe)	3 ppm max.	1 ppm
Loss on Drying at 150°C	0.2% max.	0.03%
Magnesium (Mg)	0.001% max.	0.00003%
pH of a 5% solution at 25°C	6.0-9.2	6.5
Phosphate (PO <sub>4</sub> )	0.001% max.	0.0008%
Sodium (Na)	0.005% max.	0.004%
Sulfate (SO <sub>4</sub> )	0.005% max.	0.001%
Manufacture Date	Record Actual	08/21/2020
Expiration date	Record Actual	08/21/2022
REMARKS		

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