



**ChemPure* Brand
Chemicals**

Cust-Product Code: CP-A1980D
Lot #: 2019121847

...Pure Quality

CERTIFICATE OF ANALYSIS

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

F.W.: 101.1000

CHEMICAL FORMULA: KNO₃

CAS No: 7757-79-1

Density: NA

ANALYTICAL RESULTS		
ITEM	SPECIFICATIONS	ANALYSIS
Assay (KNO ₃)	99.0% Min.	99.9%
Calcium (Ca)	0.005% Max.	<0.001%
Chloride (Cl)	0.002% Max.	<0.002%
Color	White	Passes Test
Form	Crystals	Passes Test
Heavy metals (by ICP-OES)	5 ppm Max.	<5 ppm
Insoluble Matter	0.005% Max.	0.002%
Iodate (IO ₃)	5 ppm Max.	<5 ppm
Iron (Fe)	3 ppm Max.	<3 ppm
Magnesium (Mg)	0.002% Max.	0.000007%
Nitrite (NO ₂)	0.001% Max.	<0.0005%
pH of a 5% solution at 25°C	4.5-8.5	6.4
Phosphate (PO ₄)	5 ppm Max.	<5 ppm
Sodium (Na)	0.005% Max.	0.0004%
Sulfate (SO ₄)	0.003% Max.	<0.003%
REMARKS		

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