



TECHNICAL DATA SHEET(TDS)
Potassium Nitrate Powder, USP/ACS/FCC Grade
Product Specifications (CAS# 7757-79-1)

Test	Specification	Typical Results
Appearance	White or colorless crystalline powder	Pass
Assay	Min 99.00%	99.38
pH of a 5% solution @25°C	4.5 - 8.5	5.82
Insoluble matter	Max 0.005%	0.003
Chloride (Cl)	Max 0.002%	<0.002
Iodate (IO ₃)	Max 5 ppm	<5
Nitrite (NO ₂)	Max 0.001%	<0.001
Phosphate (PO ₄)	Max 5 ppm	<5
Sulfate (SO ₄)	Max 0.003%	<0.003
Heavy metals by ICP-OES	Max 5 ppm	<5
Iron (Fe)	Max 3 ppm	<3
Calcium (Ca)	Max 0.005%	<0.0014
Magnesium (Mg)	Max 0.002%	<0.0008
Sodium (Na)	Max 0.005%	<0.004
Identification	To Pass the Test	Pass

Appropriate/legal use of this product is the responsibility of the user.

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