



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 ppm
Nitrite (NO ₂)	Max 0.001%	<0.001%
Phosphate (PO ₄)	Max 5 ppm	<5 ppm
Sulfate (SO ₄)	Max 0.003%	<0.003%
Heavy metals by ICP-OES	Max 5 ppm	<5 ppm
Iron (Fe)	Max 3 ppm	<3 ppm
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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