



CERTIFICATE OF ANALYSIS

Product	Potassium nitrate
Grade	ACS
Product Code	PD0444 (P0700)
Formula	KNO ₃
MW	101.10
CAS#	7757-79-1
Lot No	

Test Items	Specifications	Results
Appearance	Colorless white crystalline powder	
Assay	≥99.0 %	
pH of a 5% solution	4.5 - 8.5 at 25 ° C	
Insoluble matter	≤0.005 %	
Chloride (Cl)	≤0.002 %	
Iodate (IO ₃)	≤5 ppm	
Nitrite (NO ₂)	≤0.001 %	
Phosphate (PO ₄)	≤5 ppm	
Sulfate (SO ₄)	≤0.003 %	
Heavy Metals (as Pb)	≤5 ppm	
Iron (Fe)	≤3 ppm	
Calcium (Ca)	≤0.005 %	
Magnesium (Mg)	≤0.002 %	
Sodium (Na)	≤0.005 %	
Solubility (10% H ₂ O solution)	Clear colorless	

Storage: R.T.