



## Specification for Potassium Nitrate, Crystal, Reagent, ACS (P1345)

Item Number	P1345
Item	Potassium Nitrate, Crystal, Reagent, ACS
CAS Number	7757-79-1
Molecular Formula	KNO <sub>3</sub>
Molecular Weight	101.10
MDL Number	
Synonyms	Saltpeter ; Nitrate of Potash

Test	Specification	
	Min	Max
ASSAY (KNO <sub>3</sub> )	99.0 %	
pH OF A 5% SOLUTION @ 25°C	4.5 - 8.5	
INSOLUBLE MATTER		0.005 %
CHLORIDE (Cl)		0.002 %
IODATE (IO <sub>3</sub> )		5 ppm
NITRITE (NO <sub>2</sub> )		0.001 %
PHOSPHATE (PO <sub>4</sub> )		5 ppm
SULFATE		0.003 %
HEAVY METALS (by ICP-OES)		5 ppm
IRON (Fe)		3 ppm
CALCIUM (Ca)		0.005 %
MAGNESIUM (Mg)		0.002 %
SODIUM (Na)		0.005 %

### *Spectrum Chemical Mfg Corp*

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