

Specification of Potassium Nitrate

Technical grade Potassium Nitrate is mainly used as Oxidizer for producing a lilac-colored flame upon burning due to the presence of potassium. It is also used in fireworks such as smoke bombs, made with a mixture of sucrose and potassium nitrate. It is also added to pre-rolled cigarettes to maintain an even burn of the tobacco and is used to ensure complete combustion of paper cartridges for cap and ball revolvers. It is also used in glass Industry in manufacturing process for glass.

Technical Name : POTASSIUM NITRATE		
Synonym	Saltpeter; Niter	
CAS No.	7757-79-1	
Molecular Formula	KNO ₃	
Molecular Weight	101.1	
Description	White Crystalline Powder Or Colorless Crystals	
Specifications	Solubility	Freely Soluble In Water, Very Soluble In Boiling Water,
	Assay	Min 99.5 %
	N As Nitrogen	Min 13 %
	K ₂ O	Min 45 %
	Moisture	Max 0.3 %
	Chloride	Max 0.1%
	PH Of 5% Sol	6-7
	Water Insoluble	Max 0.01%