

Potassium nitrate [kno₃]

H. S code	28342100
cas code	7757-79-1
molecular weight	101. 1
solubility	soluble in water
assay	98- 99%
assay as k	37. 8 - 38. 2 %
n (nitrogen)	13. 4 - 13. 8
o (oxygen)	47 - 47. 5
appearance	white crystals
max limits of impurities %	
insolubles	0. 01
iron (fe)	0. 02
heavy metals	traces
chlorides	0. 1
sulphates	0. 02
arsenic	0. 0005
ph	5 to 7
packing:	25 / 50 kgs polythelined hdpe bags
shipment class	oxidiser label.
un class	5. 1
un no	1486
packing group	iii

uses

- mainly applied in tv kinescope glass
- glass refining agent and car head light.
- pyrotechnics to produce purple colour and black powder in mine
- ingnition wire and fire cracker
- drugs as pencillin potassium salt
- cigarette paper

- ceramic and enamels
- salt bath of heat treatment
- concentrating agent
- preservatives in salted meat and chromogen in food industry.
- compound fertilizer and foliar spray fertilizer for crop and flower