Technical Data Sheet

1. Product Name: Potassium Nitrate

Potassium Nitrate is produced by reacting Nitric Acid and Potassium Chloride.

2. General Properties:

White crystal, easily soluble in water, insoluble in ethanol.

Molecular weight: 101.11

CAS No.: 7759-79-1

Form:	**Crystal**	
Colour:	**White.**	
Solid Density:	**2.1**	t/m^3
Melting Point:	**333**	°C
Decomposition Point:	**Approx. 400**	°C
Specific Heat, 25 °C:	**0.22**	Cal/g · °C
Heat of Fusion:	**28**	Kcal / kg
Heat of Dissolution:	**-85**	Kcal / kg

3. Specification:

Inspection Item	**Unit**	**Premium Industrial Grade**	
			Specification
KNO3 content	%	Min.	99.7
Sulphate	%	Min.	0.01
Chloride (as Cl–)	%	Max.	0.02
Insoluble matter in water	%	Max.	0.02
Moisture	%	Max.	0.10
Hygroscopicity	%	Max.	0.25

Standard: GB/T 1918-2021

4. Packing: Plastic woven bag in 25kg net or Bulk bag.