



Changsha RuiYang Material Co., Ltd.
长沙金睿洋新材料有限公司

Technical Data Sheet

Potassium Nitrate

Product: Potassium Nitrate
Molecular Formula: KNO₃
Molecular Weight: 101.1 g/mol
Cas No.: 7757-79-1
Density: 2.11 g/cm³
UN No. UN 1486, **Class** 5.1, **PG** III
HS Code: 28342110

CHEMICAL ANALYSIS

Item	Indicators		Analysis Result
	Excellence in goods	First grade	
Purity (KNO ₃)	≥99.5%	≥99.0%	99.7%
Potassium oxide (K ₂ O)	≥46.0%	≥45.0%	46.5%
Nitrogen (N)	≥13.5%	≥13.0%	13.8%
Moisture	≤0.5%	≤1.0%	0.3%
Chloride (Cl)	≤0.05%	≤0.10%	0.03%
Heavy metals (as Pb)	≤10 ppm	≤20 ppm	6 ppm

Chemical Properties

Chemical Properties: White crystalline powder or prills. Density: 2.11 g/cm³.