



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

Technical Data Sheet

Calcium Nitrate Tetrahydrate

Product: Calcium Nitrate Tetrahydrate

Molecular Formula: $\text{Ca}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$

Molecular Weight: 236.15 g/mol

Cas No.: 13477-34-4

Density: 1.86 g/cm³

UN No. UN 1454, **Class** 5.1, **PG** III

HS Code: 28342990

CHEMICAL ANALYSIS

Item	Indicators		Analysis Result
	Excellence in goods	First grade	
Purity ($\text{Ca}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$)	≥99.0%	≥98.0%	99.3%
Nitrogen (N) content	≥11.5%	≥11.0%	11.7%
Calcium oxide (CaO)	≥16.5%	≥16.0%	16.8%
Water-insoluble matter	≤0.05%	≤0.10%	0.04%
Iron (Fe)	≤30 ppm	≤50 ppm	20 ppm
Heavy metals (as Pb)	≤10 ppm	≤20 ppm	6 ppm

Chemical Properties

Chemical Properties: White crystalline solid. Density: 1.86 g/cm³.