



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

Technical Data Sheet

Magnesium Nitrate Hexahydrate

Product: Magnesium Nitrate Hexahydrate

Molecular Formula: $\text{Mg}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$

Molecular Weight: 256.41 g/mol

Cas No.: 13446-18-9

Density: 1.63 g/cm³

UN No. UN 1474, **Class** 5.1, **PG** III

HS Code: 28342990

CHEMICAL ANALYSIS

Item	Indicators		Analysis Result
	Excellence in goods	First grade	
Purity ($\text{Mg}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$)	≥98.0%	≥95.0%	98.5%
Magnesium oxide (MgO)	≥15.0%	≥14.0%	15.4%
Water-insoluble matter	≤0.05%	≤0.10%	0.04%
Chloride (Cl)	≤0.02%	≤0.05%	0.015%
Sulfate (SO_4)	≤0.05%	≤0.10%	0.03%
Heavy metals (as Pb)	≤10 ppm	≤20 ppm	6 ppm

Chemical Properties

Chemical Properties: White crystalline solid. Density: 1.63 g/cm³.