



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

Technical Data Sheet

Calcium Nitrite

Product: Calcium Nitrite

Molecular Formula: $\text{Ca}(\text{NO}_2)_2$

Molecular Weight: 132.09 g/mol

Cas No.: 13780-06-8

Density: 2.53 g/cm³ (anhydrous); 1.67 g/cm³ (30% solution)

UN No. UN 2627, **Class** 5.1, **PG** III

HS Code: 28341000

CHEMICAL ANALYSIS

Item	Indicators		Analysis Result
	Excellence in goods	First grade	
Purity ($\text{Ca}(\text{NO}_2)_2$)	≥92.0%	≥88.0%	93.5%
Calcium (as CaO)	≥28.0%	≥26.0%	29.2%
Nitrite nitrogen ($\text{NO}_2\text{-N}$)	≥18.0%	≥17.0%	18.5%
Moisture	≤1.5%	≤2.5%	1.0%
Water-insoluble matter	≤0.5%	≤1.0%	0.3%
Heavy metals (as Pb)	≤30 ppm	≤50 ppm	20 ppm

Chemical Properties

Chemical Properties: White to pale yellow crystalline solid or 30% aqueous solution.

Density: 2.53 g/cm³ (anhydrous); 1.67 g/cm³ (30% solution).

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