

# Calcium Nitrate Product Data Sheet

Item Number: 60-078

## Description

Brand name	Calcium Nitrate
Chemical name	Double salt of calcium- and ammoniumnitrate
Chemical formula	$5\text{Ca}(\text{NO}_3)_2 \cdot \text{xNH}_4\text{NO}_3 \cdot 10\text{H}_2\text{O}$

## Chemical composition

Parameter	Unit	Typical Value
Total Nitrogen (N)	% w / w	15.5
Nitric Nitrogen (N-NO <sub>3</sub> )	% w / w	14.4
Ammonium Nitrogen (N-NH <sub>4</sub> )	% w / w	1.1
Calcium Oxide (CaO)	% w / w	26.3
Calcium (Ca)	% w / w	18.8

## Physical properties

Parameter	Unit	Typical value
Density	g / cm <sup>3</sup>	0.8 +/- 0.1
pH		7 (in 10 % solution)
Insolubles	%	< 0.1