

## SPECIALS

# CalMag

## Horticultural Grade

June 2019

Origin: Poland

EC FERTILISER

Reach Reg.

## Section 1 | Description

Brand name	Van Iperen CalMag Horticultural Grade
Chemical name	Calcium nitrate and magnesium nitrate
Chemical formula	$5(\text{Ca}(\text{NO}_3)_2) \cdot (\text{NH}_4\text{NO}_3) \cdot 10(\text{H}_2\text{O}) + \text{Mg}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$
Appearance	White-yellow flakes

## Section 2 | Chemical composition

Total Nitrogen (N)	13.5% +/- 0.3% w/w
Nitric Nitrogen (N-NO <sub>3</sub> )	13.1% +/- 0.3% w/w
Ammoniacal Nitrogen (N-NH <sub>4</sub> )	0.4% +/- 0.1% w/w
Calcium Oxide (CaO)	16.5% +/- 0.5% w/w
Magnesium Oxide (MgO)	6% +/- 0.3% w/w

## Section 3 | Heavy metals

Arsenic (As)	< 2mg/kg	Mercury (Hg)	< 0.01mg/kg
Cadmium (Cd)	< 2mg/kg	Lead (Pb)	< 2mg/kg
Chrome (Cr)	< 2mg/kg		

## Section 4 | Physical properties

Density	0.9 +/- 0.05g/cm <sup>3</sup>
pH	6.2 +/- 1 (in 1% solution)   6.5 +/- 0.5 (in 10% solution)   6.2 +/- 1.3 (in 5% solution)
Electric conductivity (EC)	1.1 +/- 0.2mS/cm (in 0.1% solution)
Solubility	2200g/L
Insolubles	< 0.01%



GROW FOR THE BEST