SPECIALS | CALCIUM AND MAGNESIUM DERIVATES

CalMag Liquid

May 2021 | Origin: The Netherlands | Reach Reg.

Section 1 | Description

Brand name	Van Iperen CalMag Liquid
Chemical name	Calcium nitrate and magnesium nitrate
Chemical formula	$Ca(NO_3)_2 + Mg(NO_3)_2$
Appearance	Colourless liquid

Section 2 | Chemical composition

Total Nitrogen (N)	7.8% +/- 0.3% w/w | 11% +/- 0.4% w/v
Nitric Nitrogen ($N\text{-}NO_3$)	7.8% +/- 0.3% w/w | 11% +/- 0.4% w/v
Calcium Oxide (CaO)	10% +/- 0.3% w/w | 14.1% +/- 0.4% w/v
Magnesium Oxide (MgO)	4% +/- 0.2% w/w | 5.6% +/- 0.3% w/v

Section 3 | Heavy metals

Arsenic (As)	< 5mg/kg	Mercury (Hg)	< 1mg/kg
Cadmium (Cd)	< 5mg/kg	Lead (Pb)	< 5mg/kg
Chrome (Cr)	< 5mg/kg		

Section 4 | Physical properties

Density	1.41 +/- 0.02kg/L
pH	4 +/- 1 | 6.2 +/- 1.3 (in 10% solution)
Electric conductivity (EC)	0.63 +/- 0.1mS/cm (in 0.1% solution) | 5.5 +/- 0.4mS/cm (in 1% solution)
Crystallization temperature	-10°C

Specimen

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