

STRAIGHTS

Calcium Nitrate

Agricultural Grade

March 2020

Origin: Czech Republic

EC FERTILISER

Reach Reg. 01-2119495093-35 + 01-2119490981-27

Section 1 | Description

Brand name	Calcium Nitrate Agricultural Grade
Chemical name	Double salt of calcium nitrate and ammonium nitrate
Chemical formula	$5\text{Ca}(\text{NO}_3)_2 \cdot \text{NH}_4\text{NO}_3 \cdot 10\text{H}_2\text{O}$
Appearance	White granules

Section 2 | Chemical composition

Total Nitrogen (N)	15% w/w
Nitric Nitrogen (N-NO ₃)	13.8% w/w
Ammoniacal Nitrogen (N-NH ₄)	1.2% w/w (< 1.5% w/w)
Calcium Oxide (CaO)	26% w/w soluble in water
Calcium (Ca)	18.6% w/w soluble in water

Section 3 | Heavy metals

Arsenic (As)	< 10mg/kg	Mercury (Hg)	< 1mg/kg
Cadmium (Cd)	< 1mg/kg	Lead (Pb)	< 10mg/kg
Chrome (Cr)	< 50mg/kg		

Section 4 | Physical properties

Density	1.1 +/- 0.2g/cm ³
pH	6.7 +/- 0.5 (in 1% solution) 6 +/- 1 (in 10% solution)
Electric conductivity (EC)	1.3mS/cm (in 0.2% solution)
Insolubles	< 1%
Granulometry	2-5mm > 90% < 1mm < 3% > 10mm < 0%

