

Calcium Nitrate Horticultural Grade

20TH OF AUGUST 2013

SHEET 1 / 1

Section 1 / Description:

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

Section 2 / Chemical composition:

Total Nitrogen (N)	15.5% w/w
Nitric Nitrogen (N-NO ₃)	14.4% w/w
Ammonium Nitrogen (N-NH ₄)	1.1% w/w
Calcium Oxide (CaO)	26.3% w/w
Calcium (Ca)	18.8% w/w

Section 3 / Physical properties:

Density	0.8 g/cm ³ +/- 0.1
pH	7 (in 10% solution)
Insolubles	<0.1%