



## TECHNICAL DATA SHEET

### MAGNESITE

### GROWMAG™

#### USES

**GROWMAG** is mainly used in the agricultural industry as a natural fertilizer in magnesium deficient soils.

#### PRODUCT DESCRIPTION

**GROMAG** is a magnesium bearing mineral mainly consisting of magnesite ( $MgCO_3$ ) and lizardite ( $Mg_3SiO_5(OH)_4$ ).

#### PHYSICAL PROPERTIES

<b>Colour:</b>	Light brown
<b>pH (5 % in H<sub>2</sub>O):</b>	8 - 9
<b>Bulk density:</b>	0.9 – 1.05 g/cm <sup>3</sup>
<b>Moisture:</b>	<5% (Anhydrous)
<b>Sieve grading (106 micron):</b>	<5% retained
<b>Sieve grading (75 micron):</b>	<15% retained

#### CHEMICAL PROPERTIES

<b>Chemical</b>	<b>%</b>
SiO <sub>2</sub>	34.0
Al <sub>2</sub> O <sub>3</sub>	0.2
CaO	0.9
Fe <sub>2</sub> O <sub>3</sub>	4.0
MgO	36.0
Na <sub>2</sub> O	0.1
LOI	28.0

#### TYPICAL MINERALOGY

<b>Mineral</b>	<b>%</b>
Calcite (CaCO <sub>3</sub> )	<1
Quartz (SiO <sub>2</sub> )	11
Magnetite (Fe <sub>3</sub> O <sub>4</sub> )	1
Magnesite (MgCO <sub>3</sub> )	75
Talc	3
Lizardite	12

#### PACKAGING

1000kg bulk bags

#### STORAGE

Must be stored in a moisture-free zone.