



Queensland Magnesia Pty Ltd  
ABN 43 010 823 588

# EMAG<sup>®</sup> 1000

## Magnesium Oxide



### Chemical Analysis

Loss Free	Typical %
MgO	94.0
SiO <sub>2</sub>	2.4
CaO	3.0
Al <sub>2</sub> O <sub>3</sub>	0.20
Fe <sub>2</sub> O <sub>3</sub>	0.26
Mn <sub>3</sub> O <sub>4</sub>	0.14

As Received	Typical
Mg (%)	56.5
As (ppm)	<5
Hg (ppm)	<0.1
Pb (ppm)	<3
Cd (ppm)	<0.5
Fluoride as F (ppm)	<500
Loss on Ignition	1.2

Physical Properties	Typical
Neutralising Value (g/g) (Pure CaCO <sub>3</sub> = 100)	240
Citric Acid Reactivity @ 30°C (seconds)	150
Specific Surface Area (m <sup>2</sup> /g)	38
Loose Fill Density (kg/m <sup>3</sup> )	700

Sizing	Typical
% Passing 1mm	100
% passing 500µm	70

### Product Description

**EMAG<sup>®</sup> 1000** is calcined natural magnesium oxide manufactured from Queensland Magnesia's high quality cryptocrystalline magnesite deposit. **EMAG<sup>®</sup> 1000** is a non-toxic, pale pink, powder. It is characterised by high magnesium content and neutralising properties.

### Typical Uses

- Fertiliser
- Animal Health

### Typical Packaging

**EMAG<sup>®</sup> 1000** is available:

- Bulk loose in container or truck

### Product Storage

Store in a cool, dry, well ventilated area.

The physical and chemical properties and specifications contained herein represent typical average results obtained using industry accepted standard test methods, and are carried out under controlled conditions and are subject to normal manufacturing variations. QMAG reserves the right to modify the properties and specifications at any time without prior notice. Refer to MSDS for Caustic Calcined Magnesia.

#### Queensland Magnesia Pty Ltd

9 Sherwood Road  
Toowong, Queensland 4066  
AUSTRALIA

Telephone: +61 7 3331 3400  
Email: [information@qmag.com.au](mailto:information@qmag.com.au)

Australia and New Zealand  
Americas  
Japan, India and Malaysia  
Africa

#### QMAG Europe GmbH

Königstr 84-96  
23552 Lübeck  
GERMANY

Telephone: +49 451 2927 4250  
Email: [gmw@qmag.com.au](mailto:gmw@qmag.com.au)

Europe  
Middle East  
Russia, Ukraine

#### QMAG (Shanghai) Trading Co., Ltd.

Suite 3408-10 CITIC Square  
1168 Nanjing West Road Shanghai 200041  
CHINA

Telephone: +86 21 5292 5210  
Email: [brucexu@qmag.com.au](mailto:brucexu@qmag.com.au)

Asia (excl Japan, India and Malaysia)

