



Queensland Magnesia Pty Ltd
ABN 43 010 823 588

EMAG[®] 523 Magnesium Oxide



Chemical Analysis

Loss Free	Typical %
MgO	92.0
SiO ₂	3.80
CaO	3.45
Al ₂ O ₃	0.30
Fe ₂ O ₃	0.30
Mn ₃ O ₄	0.15

As Received	Typical
Mg (%)	54.8
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

Sizing	Typical
% passing 500 µm	5
% greater than 3mm	5
Specific Surface Area (m ² /g)	32
Loose Fill Density (kg/m ³)	850

Product Description

EMAG[®] 523 is calcined natural magnesium oxide manufactured from Queensland Magnesia's high quality cryptocrystalline magnesite deposit. EMAG[®] 523 is a non-toxic, pink, granular magnesium oxide characterised by tightly controlled sizing and high magnesium content

Typical Uses

- Fertiliser
- Animal Health

Typical Packaging

EMAG[®] 523 is available:

- 20kg bags
- 1 tonne bulk bags
- 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.

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