

Technical Data

MAGNESIUM OXIDE

Feed Grade



CAS No. 1309-48-4

Formula Magnesium Oxide, MgO
Typical analysis 93.0% Magnesium Oxide

Product Description Feed grade magnesium oxide is a free flowing, low dust, natural calcined magnesite. Magnesium oxide is exclusively sourced to offer animal feed manufacturers a superior grade of magnesium.

Nutrient Properties	Specification	Typical
Magnesium, as Mg, wt %	56.00 Minimum	56.0
Magnesium Oxide, as MgO, wt %		93.0
Loss on Ignition at 1000c, wt %	3.00 to 4.00 Maximum	3.9
Magnesium Oxide, as MgO (loss free), wt %		96.8
Calcium Oxide, as CaO, wt %	2.00 Maximum	2.0
Silica Oxide, as SiO ₂ , wt %	2.00 Maximum	1.20
Iron Oxide, as + FE ₂ O ₃ , wt %	0.700 Maximum	0.70

Physical Properties (cumulative % retained)

+20 mesh	18.00 - 30.00	18.0
-20 Mesh +80 Mesh	50.00 - 80.00	68.0
-80 Mesh	8.00 - 16.00	14.0

Solubility in dilute Acid (0.4% HCl) %	99.00
Bulk Density, lbs./cu. ft.	76.00

Packaging Options

50 lbs multi-wall polylined bags
2000lb bulk bags
Bulk

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