

Sinomag 90%

0.3-2mm

CAS N°	EINECS N°	Chemical formula	Feed material catalogue number
1309-48-4	215-171-9	MgO	11.2.1

Manufacturing process

Calcination of natural magnesium carbonate (MgCO₃).

Chemical specifications

Parameters	Typical values	Guaranteed	Analytical methods
Magnesium oxide - MgO as is / loss free	91.0% / 93.8%	90.0% min / 92.8% min	EDTA complexometry / calculation
Magnesium - Mg as is / loss free	54.9% / 56.6%	54.3% min / 56.0% min	EDTA complexometry / calculation
Calcium oxide - CaO	1.3%		EDTA complexometry
Iron oxide - Fe ₂ O ₃	1.5%		ICP Atomic Absorption
Aluminium oxide - Al ₂ O ₃	0.1%		ICP Atomic Absorption
Silicium oxide - SiO ₂	2.5%		Gravimetry in HCl
Loss on ignition	3.1%		Calcination at 1000°C

Physical specifications

Appearance	Micro-granules
Density tapped / untapped	1.28 / 1.09
Particle size	0.3 - 2 mm 20 % max < 0.3 mm

Packaging

Bulk, 25kg bags, 1,000kg totes