



CollectChem

4 rue des Zéphyr, 69740 GENAS
Tél : +33 (0)4 72 50 17 50

info@collectchem.com
<https://collectchem.com/>

Magnesium oxide heavy EP, USP, FCC, E 530

Date: 28/03/2024

Appearance	white to off-white powder
Solubility	almost insoluble in water, insoluble in alcohol. It dissolves in dilute mineral acids.
MgO (on ignited basis) (EP)	98.0 - 100.5 %
MgO (on ignited basis) (E 530)	Min. 98.0 %
MgO (on ignited basis) (USP)(FCC)	96.0 - 100.5 %
Identification	complies
Solution S (EP)	complies
Appearance of solution (EP)	complies
Free alkali (USP) (FCC) (E530)	Max. 2.0 ml
Soluble substances	Max. 2.00 %
Insoluble substances (in acid)	Max. 0.100 %
Cl (EP)	Max. 1000 ppm
SO ₄ (EP)	Max. 1.00 %
Ca (EP)	Max. 1.50 %
Ca (USP)	Max. 1.10 %
CaO	Max. 1.50 %
Fe (EP)	Max. 0.07 %
Fe (USP)	Max. 0.05 %
Fe	Max. 500 ppm
As	Max. 1 ppm
As (FCC)(E 530)	Max. 3 ppm
Pb	Max. 0.5 ppm
Pb (E 530)	Max. 2 ppm
Pb (FCC)	Max. 4 ppm
Cd	Max. 0.5 ppm
Hg	Max. 0.5 ppm
Loss on ignition (EP)	Max. 8.0 %
Loss on ignition (USP)(FCC)	Max. 10.0 %
Loss on ignition	Max. 5.0 %
Bulk density (untapped)	0.25 - 0.65 g/ml
Particle size (> 325 mesh) (wet sieve)	Max. 25.0 %