



Pharmaceutical Grade Basic Magnesium Carbonate

For use in the manufacture of antacid preparations and mineral supplements, and in cosmetics. Complies with the requirements of U.S. Pharmacopoeia (25th Edition) for Magnesium Carbonate, and the chemical requirements of the British Pharmacopoeia (2003) and European Pharmacopoeia (Fourth Edition) for Basic Magnesium Carbonate.

Chemical Analysis	Specification	Typical Value
Magnesium Oxide as MgO (dry basis)		
USP	40.0-43.5%	42.5%
BP/EP	40.0-45.0%	
Calcium as CaO	0.45% max.	0.10%
Iron as Fe	100 ppm max.	50 ppm
Heavy metals as Pb	10 ppm max.	<<20 ppm
Lead as Pb	10 ppm max.	<0.3 ppm
Arsenic as As	1 ppm max.	< 1 ppm
Chloride as Cl	0.07% max.	0.02%
Sulphate as SO ₄	0.3% max.	0.06%
Acid insolubles	0.05% max.	0.02%
Soluble salts	1.0% max.	0.03%
E. Coll	absent	absent

Physical Properties	Specification	Typical Value
Bulk density (tapped)		0.35-0.55 g/cc
Particle size		
Residue on 325 mesh (wet sieve)	0.3% max.	0.1%

Appearance and description: Free flowing white powder, insoluble in water, and alcohol. Dissolves in dilute mineral acids with effervescence. (Caution!)

Composition: 5MgO.4CO₂.5H₂O

Packaging and storage: Net 15 kg in multiwall paper bags with separately sealed moisture proof inner polyethylene bag or big bags. Store in original packaging in a dry, ventilated space. Shelf-life under suitable storage conditions: 2 years from date of manufacture.

Custom-tailored specifications and other packaging modes are available.

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