

## BMC ~ USP

### Pharmaceutical Grade Basic Magnesium Carbonate

For use in the manufacture of antacid preparation and mineral supplements, and in cosmetics . Complied with the requirements of U.S. Pharmacopoeia (35<sup>th</sup> Edition) for Basic Magnesium Carbonate.

Chemical Analysis	Specification	Typical Value
Magnesium Oxide as MgO	40.0-43.5%	42.5%
Identification	Positive test for Magnesium	
Soluble Salts	1.00% max	0.03%
Acid-Insoluble Substances	0.05% max	0.02%
Arsenic as As	4 ppm max	< 1 ppm
Calcium as Ca	0.45% max	0.10%
Heavy Metals as Pb	30 ppm max	<< 20 ppm
Iron as Fe	200 ppm max	50 ppm
Microbial Tests	Absence of E-Coli	absent
Lead as Pb	2 ppm max	<< 0.3 ppm
Physical Properties	Specification	Typical Value
Tapped Density (1000 taps)		0.35-0.55 g/cc
Particle size: Residue on 325 mesh (wet sieve)	0.30% max	0.10%

**Appearance and description:** Free flowing white powder, insoluble in water and alcohol .

Dissolves in dilute mineral acids with effervescence (Caution!).

Composition: 5MgO. 4CO<sub>2</sub>.5H<sub>2</sub>O

**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: 3 years from date of manufacture.

Custom-tailored specifications and other packaging modes are available.

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