

HA

USP

Pharmaceutical Grade Magnesium Oxide

For use in the manufacture of antacid preparations and mineral supplements, and in the production of pharmaceutical grade magnesium derivatives and for use as a food additive as an anti-caking, free flowing agent, color retention agent desiccant or pH modifier .

HA meets requirements of U.S. Pharmacopoeia 35.

Chemical Analysis

	Specification	Typical Value
Magnesium Oxide as MgO (ignited basis)	96.0-100.5 %	99.2%
Identification	Positive tests for Magnesium	
Free Alkali	2.0 ml max	< 0.5 ml
Soluble Salts	2.0% max	< 0.5%
Acid-Insoluble Substances	0.10% max	0.05%
Calcium as Ca	1.10% max	0.10%
Heavy Metals as Pb	20 ppm max	<< 20 ppm
Iron as Fe	0.05% max	0.015%
Loss on Ignition	10.0% max	2.0%

Physical Properties

	Specification	Typical Value
Bulk Density (untapped)	0.25-0.60 g/cc	0.48 g/cc
Particle size: passes 325 mesh (wet sieve)	75.0% min	90.0%

Appearance and description: White powders, almost insoluble in water.

Insoluble in alcohol. Dissolves in dilute mineral acids. (Caution! Exothermic reaction!).

HA is a sieved product.

Packaging and storage: Net 25 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: 36 month from date of manufacture.

Customer-tailored specifications and other packaging modes are available.

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