Specialty Magnesia Products for Pharmaceuticals

HA4

Distributed by:
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Pharmaceutical Grade Magnesium Oxide

For use in the manufacture of antacid preparations and mineral supplements, and in the production of pharmaceutical grade magnesium derivatives. HA4 meets the requirements of U.S. Pharmacopoeia, British Pharmacopoeia and European Pharmacopoeia for heavy magnesium oxide.

Chemical Analysis	Specification	Typical Value
Magnesium Oxide as MgO (ignited basis)	98.0-100.5%	99.2%
Calcium as CaO	1.00% max.	0.10%
Iron as Fe	0.050% max.	0.01%
Heavy metals as Pb	20 ppm max.	<< 20 ppm
Lead as Pb	10 ppm max.	< 0.5 ppm
Arsenic as As	3 ppm max.	< 1 ppm
Chloride as Cl	0.10% max.	0.05%
Sulphate as 504	1.00% max.	0.15%
Soluble salts	2.00% max.	< 0.5%
Free alkali (as 0.1N H,504 per gram)	2.0 ml max.	< 0.5 ml
Acid insolubles	0.1%max	0.05%
Loss on ignition (900° C)		
(800° C) (BP/EP)	10% max.	2%
(900° C) (USP)	8% max.	2%

Physical Properties	Specification	Typical Value
Bulk density (tapped)		0.30 - 0.45 g/cc
Particle size: Passes 325 mesh (wet sieve)	99.0% max.	100%

Appearance and Description: Free flowing white powder, almost insoluble in water. Insoluble in alcohol. Dissolves in dilute mineral acids. (Caution! Exothermic reaction!)

Packaging and Storage: Net 2s kg in multiwall paper bags with separately sealed moisture proof inner polyethylene bag. 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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