

# T10P

Spray-dried magnesium hydroxide powders for use in the manufacture of antacid preparations and mineral supplements. Different bulk densities offer a choice of compounding possibilities for tablet and powder dosage systems.

Meets the requirements of EP,USP Pharmacopoeias for magnesium hydroxide.

Chemical Analysis	Specification	Typical Value
Magnesium Hydroxide as Mg(OH) <sub>2</sub> (EP,USP)	95.0-100.5%	99.0%
Identification	pass test	
Appearance of Solution (EP)	pass test	
Soluble S.	2.00% max	0.5%
Free Alkali (Alkalinity)	2.00 ml max	< 0.5 ml
Acid Insoluble (EP)	0.100% max	0.05%
Chloride as Cl (EP)	0.1% max	0.06%
Sulphate as SO <sub>4</sub> (EP)	0.50% max	0.10%
Arsenic as As (EP)	4 ppm max	<< 3 ppm
Calcium as Ca (EP,USP)	1.50% max	0.10%
Carbonate (EP,USP)	pass test	
Iron as Fe (EP)	0.07% max	0.01%
Heavy Metals as Pb (EP)	30 ppm max	<< 20 ppm
Heavy Metals as Pb (USP)	20 ppm max	<< 20 ppm
Loss on Ignition (EP)	29.0-32.5%	30.7%
Loss on Ignition (USP)	30.0-33.0%	30.7%
Loss on Drying (USP)	2.0% max	0.20%
Lead as Pb (USP)	1.5 ppm max	<< 1.5 ppm
Microbial enumeration tests & for Specific O.	Absence of E.Coli	

Physical Properties	Specification	Typical Value
Particle size: Master Sizer d50	1.50 μ max	1.00 μ
Particle size: Master Sizer d90	2.80 μ max	2.30 μ
Particle size: passes 325 mesh(wet sieve)	99.0% min	99.9%

**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 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:** 24 month from date of manufacture. Customer-tailored specifications and other packaging modes are available.

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