

## European Pharmacopoeia

## Magnesium Oxide EP

Magnesium Oxide has high acid neutralizing capacity and is used for antacid, laxative and anti-ulcer drug. It is also used for various applications such as excipient, dietary supplement and other Pharmaceutical additives. Especially, in the case of using it as stabilizing agent, it can effectively suppress reduction of the hardness of the tablet during storage.

**【Grade】** Granules

**【Specification】**

Items	European Pharmacopeia	Typical Analysis
		Granules
Characters	EP	conforms
Identification	EP	conforms
Appearance of solution	EP	passes test
Soluble substances (%)	2.0 max.	0.5
Substances insoluble in acetic acid (%)	0.1 max.	0.0
Chlorides (%)	0.1 max.	passes test
Sulphates (%)	1.0 max.	passes test
Calcium (%)	1.5 max.	passes test
Iron (%)	0.07 max.	passes test
Loss on ignition (%)	8.0 max.	1.8
Assay (MgO) (%)	98.0-100.5	99.4
Bulk density (g/mL)	-	1.05

**【Properties】**

Items	Typical Analysis	
	Granules	
Screen analysis (Ro-Tap method) (%)	US Sieve No. 40 (425 μm) on	0.5
	US Sieve No. 100 (150 μm) through	11.5
Repose angle (°)	37	
Pb (ppm)	0.4	
Cd (ppm)	1.0	
Arsenic (ppm)	4 max.	