

## US Pharmacopeia

## Magnesium Oxide USP

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】 Heavy, Granules

【Specification】

Items	US Pharmacopeia	Typical Analysis	
		Heavy	Granules
Description	USP	conforms	conforms
Solubility	USP	conforms	conforms
Identification	USP	conforms	conforms
Loss on ignition (%)	10.0 max.	1.6	1.4
Free Alkali (mL)	2.0 max.	passes test	passes test
Soluble Salts (mg)	10 max.	2.5	4.0
Acid insoluble substances (mg)	2 max.	0.4	0.1
Limit of Calcium (%)	1.1 max.	passes test	passes test
Iron (%)	0.05 max.	passes test	passes test
Assay (MgO) ignited basis (%)	96.0-100.5	97.8	97.9

【Properties】

Items	Typical Analysis		
	Heavy		Granules
Screen Analysis (Ro-Tap Method)			US Sieve No. 40 (425 $\mu$ m) on
			10.5
Screen Analysis (Wet Method)	150 $\mu$ m through	100.0	
	75 $\mu$ m through	99.9	
Reposed Angle (°)	-		37
Pb (ppm)	0.10		0.10
Bulk Density (g/mL)	0.23		1.00