

US Pharmacopeia

Magnesium Hydroxide USP

Magnesium Hydroxide is widely used for antacid, laxative and gastrointestinal drug all over the world. The fine powder grade called “KISUMA™ 200” is also available for suspension drug which requires high dispersibility.

【Grade】 **Standard grade, KISUMA™ 200**

【Specification】

| Items | US Pharmacopeia | Typical Analysis | |
|--|-----------------|------------------|-------------|
| | | Standard grade | KISUMA™ 200 |
| Description | USP | conforms | conforms |
| Solubility | USP | conforms | conforms |
| Identification | USP | conforms | conforms |
| Loss on drying (%) | 2.0 max. | 0.4 | 0.5 |
| Loss on ignition (%) | 30.0 – 33.0 | 31.3 | 31.5 |
| Free alkali (mL) | 2.0 max. | passes test | passes test |
| Soluble salts (mg) | 10 max. | 1.6 | 3.0 |
| Carbonate | USP | passes test | passes test |
| Limit of calcium (%) | 1.5 max. | passes test | passes test |
| Limit of lead (ppm) | 1.5 max. | 0.3 | 0.3 |
| Assay (dried basis, as Mg(OH) ₂) (%) | 98.0 - 102.0 | 99.7 | 99.7 |
| Escherichia coli | negative | negative | negative |

【Properties】

| Items | | Typical Analysis | |
|---|--|------------------|-------------|
| | | Standard grade | KISUMA™ 200 |
| Bulk density (g/mL) | | 0.45 | 0.14 |
| Tapped bulk density (g/mL) | | 0.80 | 0.29 |
| Particle size (Laser diffraction method) | | | |
| Mean particle size (μm) | | 10.6 | 4.0 |

‘KISUMA’ is a registered trademark of SETOLAS Holdings, Inc. in many countries.