

MAGNESIUM OXIDE LIGHT PHARMACEUTICAL GRADE

Magnesium Oxide Light Pharmaceutical Grade is compliant to EP and USP monograph

Appearance and solubility: Magnesium Oxide is a free flowing white powder, insoluble in water and in alcohol. It dissolves in diluted minerals acids with effervescence.

Usable as :

- ✓ Active Substance for pharmaceutical production for human and/or veterinary drugs
- ✓ Excipient for pharmaceutical production for human and/or veterinary drugs
- ✓ Mineral supplements and/or food additive

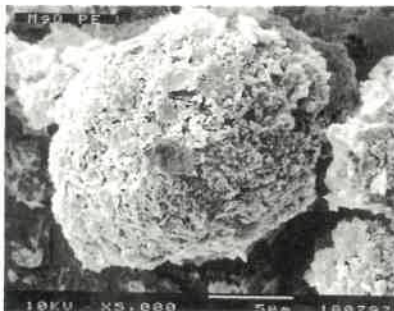
Identification tests	Specification	Typical value
Magnesium Identification	Positive	Positive
Magnesium peak retention time identification	Passes	Passes
Bulk density	0,15 g/mL max	Passes

Chemical Analysis	Specification	Typical value
MgO (calcined basis)	98,0 – 100,5 %	99,0 %
Acetic solution appearance	No more coloured than B2	> B2
Soluble salts	2,0 % max	< 2,0 %
Chlorides / Cl	0,15 % max	< 0,15 %
Sulphates / SO ₄	1,0 % max	< 1,0 %
Calcium / Ca	1,1 % max	0,3 %
Iron / Fe	0,05 % max	< 0,05 %
Acetic acid-insoluble	0,1 % max	< 0,1 %
Hydrochloric acid insoluble	0,1 % max	< 0,1 %
Free alkali (as 0,1 N H ₂ SO ₄ per gram)	2,0 mL max	< 2,0 mL
Loss on ignition	8,0 % max	3,0 – 6,0 %

Physical Properties	Specification	Typical value
Particle size: passing 325 mesh / 45µm (wet sieve)	96,0 % min	

Microbial Limits	Specification	Typical value
Total viable count	10 ³ cfu/g max	< 10 ³ cfu/g
Yeasts and Moulds	10 ² cfu/g max	< 10 ² cfu/g
Enterobacteria	Absent	Absent
Escherichia Coli	Absent	Absent
Salmonella	Absent	Absent

Packaging
In multiwall paper bags with polyethylene inner bag containing 10 kg net on 320 kg pallet
Retest date : 24 months



Commitment: Current ICHQ3D tested and comply for Oral PDE (class 1 and 2A elements)

TECHNICAL DATA SHEET

Version 03 of 12/08/2021