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Typical Product Specifications & Properties

Pharmaceutical Magnesium Oxide Grade HA and HA5

CAS Number: : 1309-48-4

Specifications	Limits
Density	3.65-3.75
Iron as Fe	0.05% max
Lead as Pb	0.5 ppm max
Sulphate as SO ₄	0.75% max
Bulk Density (untapped)	HA - 0.40 - 0.60 gr/cc
Particle Size: Passes 325 mesh (wet Sieve)	HA - 75.0% min
Very Soluble	in water
Insolubility	in alcohol
Odor	wh. powd. or cryst., odorless
Molecular weight	40.31
Solubility	dil. acids, ammonium salt solns.
Boiling Point	3600 c



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Specifications	Limits
Melting Point	2800 c
Identification	positive test for Magnesium
Calcium as Ca	1.10% max
Heavy Metals, as Pb	20 ppm max
Arsenic, as As	3 ppm max
Chloride as Cl	0.1% max
Bulk Density (untapped)	HA5 - 0.30 - 0.65 gr/cc
Particle Size: Passes 325 mesh (wet Sieve)	HA5 - 99.0% min
Magnesium Oxide as MgO (ignited basis)	96.0 - 100.5%
Loss on Ignition	10.0% max
Free Alkali	2 ml max
Soluble Salts	2% max



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Specifications	Limits
Acid insoluble substances	0.1% max



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