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Typical Product Specifications & Properties

Pharmaceutical Grade Magnesium Oxide HA4

CAS Number: : 1309-48-4

Specifications	Limits
Density	3.65-3.75
Very Soluble	in water
Melting Point	2800 c
Identification	positive test for Magnesium
Magnesium Oxide as MgO (ignited basis)	96.0 - 100.5%
Free Alkali	2 ml max
Soluble Salts	2% max
Calcium as Ca	1.10% max
Iron as Fe	0.05% max
Chloride as Cl	0.1% max
Lead as Pb	0.3 ppm max
Bulk Density (untapped)	0.20 - 0.55 gr/cc



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Specifications	Limits
Particle Size: Passes 325 mesh (wet Sieve)	99.0% min
Loss on Ignition	10% max
Acid insoluble substances	0.1% max
Heavy Metals, as Pb	20 ppm max
Sulphate as SO ₄	1.00% max
Arsenic, as As	3 ppm max
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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