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Typical Product Specifications & Properties

Active Pharmaceutical Magnesium Oxide PHRA50

CAS Number: : 1309-48-4

Specifications	Limits
Density	3.65-3.75
Very Soluble	in water
Particle Size: Passes 325 mesh (wet Sieve)	99.0% min
Melting Point	2800 c
Iron as Fe	0.05% max
Sulphate as SO ₄	0.50% max
Free Alkali	2 ml
Soluble Salts	2% max
Magnesium Oxide as MgO (ignited basis)	96.0 - 100.5%
Identification	positive test for magnesium
Loss on Ignition	10.0% max
Acid insoluble substances	0.1% max



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Specifications	Limits
Calcium as Ca	1.10% max
Heavy Metals, as Pb	20 ppm max
Lead as Pb	4 ppm max
Arsenic, as As	3 ppm max
Chloride as Cl	0.1% max
Bulk Density, tapped	0.35 - 0.55 gr/cc
Surface area (BET)	40 - 70 m ² /gr
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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