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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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Disclaimer: this is a web generated product specification and property document. All information on this document is subject to reconfirmation at time of quote and order.