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Typical Product Specifications & Properties

Magnesium Oxide Light, USP

CAS Number: : 1309-48-4

Specifications	Limits
Density	3.65-3.75
Very Soluble	in water
Appearance	Clean, White Powder
Specific gravity	3.46
Arsenic	< 3 ppm
Free Alkali	2.0 ml H ₂ SO ₄ /gm
Particle Size	99% Min through 325 Mesh
Loose Density (lbs./ft ³)	12 -19
Chlorides	< 0.1%
Soluble Salts	< 1.0%
Iron	< 0.05%
MgO	96% - 100.5%



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Specifications	Limits
Sulfates	< 0.75%
Heavy Metals	< 30 ppm
Acid Insoluble matter	< 0.1%
Calcium Oxide	< 1.0 %
Loss on ignition, USP<733>	< 10.0%
Pounds / Solid gallons	28.82
One Pound Bulks, (gallons)	0.0347
Insolubility	in alcohol
Melting Point	2800 c
Odor	wh. powd. or cryst., odorless
Molecular weight	40.31
Solubility	dil. acids, ammonium salt solns.



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Specifications	Limits
Boiling Point	3600 c



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