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Typical Product Specifications & Properties

Magnesium Oxide DC USP

CAS Number: : 1309-48-4

Specifications	Limits
Boiling Point	3600 c
Density	3.65-3.75
Very Soluble	in water
particle size - 60 mesh	No less than 90% retain (seive analysis)
Arsenic	No more than 1 ppm
Description	Heavy, white, odorless granules
Solubility	Practically insoluble in water, dissolves in dilute acids with at most slight effervesence
Loss on Ignition	Not more than 10 % (w/w)
Free Alkali & Soluble Salts	No more than 2%
Acid insoluble substances	No more than 0.1%
Heavy Metals	No more than 20 ppm
Calcium	No more than 1.1% [w/w]



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Specifications	Limits
Assay	No less than 96.0 % & No more than 100.5% of MgO [Ignited Substance]
Microbial test - TFC	No more than 100 CFU/g
Pathogens	Absent
Particle size - 30 mesh	100% pass (seive analysis)
Bulk Density	15 grams occupies a volume of 15 ml
Identification	By reaction of Magnesium
Microbial test - TBC	No more than 1000 CFU/g
Iron	No more than 500 ppm
Insolubility	in alcohol
Odor	wh. powd. or cryst., odorless
Melting Point	2800 c
Molecular weight	40.31



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