



# Barrington

Chemical Corporation

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## Product Specification

**Product Name :** Magnesium Hydroxide Granular USP

Date : April 2013

Test	Specification
Description	White, fine, amorphous granulation
Identification	Positive test for Magnesium Hydroxide
Appearance of Solution	To pass test to reference solution
Magnesium Hydroxide as Mg(OH) <sub>2</sub>	95.0% - 100.5%
Calcium as CaO	1.50% max
Sulphate as SO <sub>4</sub>	0.5% max
Chloride as Cl	1000 ppm max
Carbonate	Passes Test
Iron as Fe	700 ppm max
Arsenic as As	3 ppm max
Heavy Metals as Pb	20 ppm max
Lead as Pb	1.5 ppm max
Free Alkali (as 0.1N H <sub>2</sub> SO <sub>4</sub> )	2.0 ml max
Soluble Substances	2.00% max
Substances Insoluble in HAc	0.100% Max
Loss on Ignition 800C	30.0 - 33.0% Max
Loss on Drying 105C	2.00% Max
E-Coli	Absent
Total Plate Count	1000 cfu/g Max
Bulk Density – Tapped	Report
+ 20 mesh	1% Max
+ 30 mesh	20% Max
+ 60 mesh	40% Min
+ 80 mesh	Report
+100 mesh	20% Max

Packaging: Net 25 kg in Fiber Carton