



MagChem® MH 10 UF Specialty Magnesium Hydroxide Powder

DESCRIPTION	MagChem MH 10 UF magnesium hydroxide is an ultra-fine, high purity white powder with a 1.0 micron median particle size produced from magnesium-rich brine and dolomitic lime.		
USES	MagChem MH 10 UF is suitable for use in production of magnesium salts and other specialty chemical applications.		
COMPOSITION		<u>Typical</u>	<u>Specification</u>
	Magnesium Hydroxide (Mg(OH) ₂), %	98.7	98.0 min.
	Magnesium Oxide (MgO), % (equivalent)	68.1	67.7 min.
	Calcium Oxide (CaO), %	0.63	0.70 max.
	Silicon Oxide (SiO ₂), %	0.20	0.35 max.
	Iron Oxide (Fe ₂ O ₃), %	0.10	0.20 max.
	Aluminum Oxide (Al ₂ O ₃), %	0.06	0.15 max.
	Chloride (Cl), %	0.30	0.35 max.
	Sulfate (SO ₃), %	0.01	0.25 max.
	Loss on Ignition, %	31	29.0 min.
	Free Moisture, %	0.34	2.0 max.
PHYSICAL PROPERTIES		<u>Typical</u>	<u>Specification</u>
	Surface Area, m ² /g	13	7 – 18
	% Passing 325 mesh	99.9	99.5 min.
	Median Particle Size, micron	1.0	0.8 – 2.0
	Loose Bulk Density, lb/ft ³	22	--
	Tapped Bulk Density, lb/ft ³	36	--
PACKAGING	Martin Marietta Magnesia Specialties offers a variety of packaging options, including bags, and bulk sacks. Please contact a sales representative for information on available packaging options.		
STORAGE	Store in a dry place. Exposure to moisture may cause caking.		

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