



MagChem® MH 10 ULC Specialty Grade Magnesium Hydroxide Powder

DESCRIPTION	MagChem MH 10 ULC magnesium hydroxide is a fine white powder with high purity and ultra-low calcium chemistry produced from magnesium-rich brine and dolomitic lime.		
USES	MagChem MH 10 ULC is suitable for use in production of magnesium salts, ceramics, specialty fuel additives, and other general purpose chemical applications when ultra-low calcium levels are desirable.		
COMPOSITION (DRY BASIS)		Typical	Specification
	Magnesium Hydroxide (Mg(OH) ₂), %	98.6	98.0 min.
	Magnesium Oxide (MgO), % (equivalent)	68.1	67.7 min.
	Calcium Oxide (CaO), %	0.28	0.30 max.
	Silicon Oxide (SiO ₂), %	0.25	0.35 max.
	Iron Oxide (Fe ₂ O ₃), %	0.10	0.20 max.
	Aluminum Oxide (Al ₂ O ₃), %	0.07	0.15 max.
	Chloride (Cl), %	0.20	0.35 max.
	Sulfate (SO ₃), %	0.15	0.25 max.
	Loss on Ignition, %	30.5	29.0 min.
	Free Moisture, %	0.5	1.5 max.
PHYSICAL PROPERTIES (TYPICAL)		Typical	
	Surface Area, m ² /g	12	
	% Passing 325 mesh	99.6	
	Median Particle Size, micron	2	
	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 location. Exposure to moisture may cause caking. Reseal opened containers.		

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