



Marinco[®] FCC Specialty Food Grade Magnesium Oxide

DESCRIPTION	Marinco FCC is a high purity, food grade magnesium oxide made from magnesium-rich brine and dolomitic lime at our Manistee, Michigan plant.		
USES	Marinco FCC magnesium oxide is used as a food additive for powder mix desiccant (drying agent), color retention, electrolytes, pH modification or as a magnesium supplement. In addition, Marinco FCC magnesium oxide keeps powdered foods, such as powder drink mixes, free flowing as it acts as an anti-caking agent.		
PROPERTIES	FCC Specification*	Typical	
	Identification	Pass/Fail	Pass
	Assay, % MgO	96.0% - 100.5%	98.0
	Loss on Ignition, %	10% max.	4.1
	CaO, %	1.5% max.	0.8
	Acid Insolubles, %	0.1% max.	0.02
	Free Alkalis & Soluble Salts, mg	10 mg max.	5.9
	Lead, mg/kg	4 mg/kg max.	0.4
	Arsenic, mg/kg	3 mg/kg max.	0.5
	* Tested in accordance with the FCC 13 th Edition.		
	Median Particle Size (Sedigraph)	0.75 micron	
PACKAGING	Martin Marietta Magnesia Specialties packages this product in 50-pound bags. Please contact a sales representative for information on detailed packaging offerings and specifications.		
STORAGE	Magnesium oxide naturally absorbs moisture and carbon dioxide if left exposed to air. Store in a dry location in the original packaging to minimize impact to Loss on Ignition, free moisture, flowability and reactivity. Marinco [®] FCC Magnesium Oxide has a recommended retest date of 24 months from the date of manufacture.		

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