

Item Number	MA140
Item	Magnesium Trisilicate, Powder, USP
CAS Number	39365-87-2
Molecular Formula	2MgO•3SiO ₂ •xH ₂ O
Molecular Weight	260.862
MDL Number	
Synonyms	

Test	Specification	
	Min	Max
APPEARANCE		
IDENTIFICATION (A)	POSITIVE FOR MAGNESIUM	
IDENTIFICATION (B)	OPAQUE BEAD WITH A WEB-LIKE STRUCTURE	
ASSAY (MgO)	20.0 %	
ASSAY (SiO ₂)	45.0 %	
WATER DETERMINATION	17.0	34.0 %
ACID-CONSUMING CAPACITY (0.1N HCl/g)	140	160 ml
RATIO (SiO ₂ :MgO)	2.10	2.37
SOLUBLE SALTS		1.5 %
CHLORIDE (Cl)		0.055 %
SULFATE		0.5 %
FREE ALKALI		1.0 ml
ARSENIC (As)		8 ppm
ELEMENTAL IMPURITIES:		
LEAD (Pb)	AS REPORTED	
CERTIFIED KOSHER		
CERTIFIED HALAL		
EXPIRATION DATE		
DATE OF MANUFACTURE		
MONOGRAPH EDITION		
RESIDUAL SOLVENTS	AS REPORTED	

Spectrum Chemical Mfg Corp

Corporate Headquarters: West Coast Facility:
 769 Jersey Ave. 14422 S. San Pedro St.

Spectrum Chemical Mfg Corp

Corporate Headquarters: *West Coast Facility:*

New Brunswick, NJ 08901 Gardena, CA 90248

732.214.1300

310.516.8000