

**Characteristics:**

**MAGRICULTURE®** Magnesium Sulfate Crystals shall be colorless, solid at ambient temperatures, formed in small needle-like rhombic crystals and free of solid or fibrous foreign matter that will require dissolved material to be filtered before being used.

<b>P R O P E R T I E S</b>	Identification	Test of Magnesium	Positive
		Test of Sulfate	Positive
		Consistently Free of Volatile Organic Impurities	
	Chemical	pH	5.0 – 9.2
		Loss of ignition	40.0% - 52.0%
		Chloride, maximum, ppm	200
		Arsenic, maximum, ppm	3
		Heavy Metals (as Pb), maximum, ppm	10
		Iron, maximum, ppm	20
		Selenium, maximum, ppm	30
Physical	Assay	99%–100.5%	
	Color	Colorless	
	Crystal Form	Rhombic (monoclinic)	

**Quality Assurance Provision:**

**GENERAL**

**MAGRICULTURE®** Magnesium Sulfate Crystals shall be manufactured using current Good Manufacturing Practices (cGMP).

**MAGRICULTURE®** Magnesium Sulfate Crystals shall be guaranteed to meet the chemical and physical properties specified herein.

**Characteristics**

**Discussion**

EPSOM SALT is one of the most common forms of magnesium sulfate. EPSOM SALT is a hydrated salt with seven molecules of water, so caking can occur. Therefore, care should be taken to protect the material if it is stored in the granular form for long periods of time. EPSOM SALT is readily soluble in water and will yield a saturated 24.5 percent solution of magnesium sulfate at storage temperatures of 66 - 75 degrees F.

**PRODUCERS OF MAGNESIUM SULFATE SINCE 1950**

USA

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