

### CHARACTERISTICS

The material 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 the dissolved material to be filtered before being used. Epsom salt is one of the most common forms of magnesium sulfate heptahydrate. EPSOM SALT is a hydrated salt with seven molecules of water, so caking or bridging can occur. 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.

<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	140	
		Arsenic, maximum, ppm	3	
		Heavy Metals, 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:**

The material specified herein shall be manufactured using acceptable industrial practices. The material shall be guaranteed to meet chemical and physical properties specified herein.

**RESPONSIBILITIES FOR TESTS & INSPECTIONS:**

Unless otherwise specified by purchaser, the supplier is responsible for providing a lot analysis on the material. Except as otherwise specified, the supplier may utilize his own facilities or any commercial laboratory. Analysis' are available for each lot at an additional charge.

### PACKAGING & SHIPPING

**PACKAGING:**

Shall be accomplished in accordance with acceptable commercial practices for domestic or foreign shipments unless otherwise indicated by the purchaser. It shall be the vendor's responsibility to determine that packaging, as done, is adequate to assure that all materials shall arrive at destination in an uncontaminated condition and ready for intended use.

**SHIPPING:**

Shall be accomplished in accordance with acceptable commercial practices for domestic or foreign shipment for this type of product unless otherwise indicated by the purchaser.

**PRODUCERS OF MAGNESIUM SULFATE SINCE 1950**