

# Magnesium Malate Trihydrate

## Technical Data Sheet

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### 1. Description

Magnesium malate trihydrate is comprised of one part elemental magnesium and one part malic acid. Other names for this organic magnesium compound include Magnesium Malate, Magnesium of malic acid, etc. Many health professionals I have spoken with recommend this form of magnesium to help address symptoms of magnesium deficiency since it has a minimal impact on the GI tract. Understanding some of the finer points of why this compound is recommended can help recognize whether it is the best choice for you.

Magnesium Malate can be used as a dietary supplement and as a nutrient. Magnesium plays a vital role in regulating the neuromuscular activity of the heart, converts blood sugar to energy and is necessary for proper calcium and Vitamin C metabolism.

### 2. General Characteristics

Formula:	C4H4MgO5
Molecular Weight:	156.38
CAS Number:	869-06-7
Solubility:	Soluble in water.

### 3. Standard Specifications

Appearance	Colourless ,odourless powder
Odor	None
Identification	Meets Internal Standard
Mg assay(dry basis)	14.5-15.6
Heavy Metal	NMT 10ppm
Loss on drying	2.0%
PH	5.0-9.0

### 4. Ingredients

Magnesium Malate

### 5. Storage & Shelf Life

Storage at room temperature in tightly sealed containers , away from extreme conditions of heat and humidity , is recommended.

This product is very stable and has been given a 2 year “best by ” date . It is recommended to retest after 2 years.

It is suggested that all products be used on a “First-In First -Out “ basis.

### 6. Packaging

25kgs in kraft paper bags or drum with P-E inner bag.

## **7.Regulatory Status**

This item complies with the requirements of the company standard.