

Magnesium Citrate Anhydrous

Technical Data Sheet

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1. Description

Magnesium citrate nonahydrate is also named as trimagnesium dicitrate nonahydrate and produced by citric acid and magnesium oxide. It occurs as white odorless powder or granular. It's practically soluble in acid, nearly insoluble in water, and insoluble in alcohol.

Magnesium citrate nonahydrate can be made chewable tablet, granule, capsule and oral liquid etc in pharmaceutical. It is listed as one food supplement which can be applied to infant food, special medical and weight control in Europe. In some countries it is one product which European Food Safety Authority strengthens supervision and promotes actively. Magnesium citrate anhydrous and magnesium citrate nonahydrate has the same application, but magnesium citrate nonahydrate has lower magnesium content.

2. General Characteristics

Formula:	C12H10Mg3O14.9H2O
Molecular Weight:	613.3
CAS Number:	153531-96-5
Solubility:	Nearly insoluble in water.

3. Standard Specifications

Appearance	White or colourless , odourless powder
Odor	None
Identification	Meets EP/USP
Mg assay(dry basis)	14.5-16.4%
Heavy Metal	NMT 50ppm
Chloride	NMT 0.05%
Sulfate	NMT 0.2%
Loss on drying	NMT29.0%
Arsenic	NMT 3ppm
PH	5.0-9.0

4. Ingredients

Magnesium Citrate

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 paper bags with P-E inner bag. Usually 1000kg/pallet.



7.Regulatory Status

This item complies with the requirements of the USP/EP Standard.