



## TECHNICAL DATA SHEET

**Product Name:** Magnesium Succinate

**CAS Number:** 556-32-1

**Molecular Formula:** C<sub>4</sub>H<sub>4</sub>MgO<sub>4</sub>

**Molecular Weight:** 140.38

**EINECS No.:** 209-121-5

### 1. Product Description

Magnesium Succinate is a magnesium salt of succinic acid, appearing as a white crystalline powder. It is highly soluble in water and widely used as a dietary supplement, food additive, and in pharmaceutical formulations.

### 2. Specification

Parameter		Specification
Description		White crystals or crystalline powder
Bulk density		0.4-0.6 g/cm <sup>3</sup>
Tapped density		0.5-0.8 g/cm <sup>3</sup>
Particle size		60-200 mesh
Content of Mg	%	16.0-18.0
Loss on drying	≤%	5
pH (5% solution)		5.0-10.0
Chloride (Cl)	≤%	0.01
Sulfate (SO <sub>4</sub> )	≤%	0.02
Iron (Fe)	≤%	0.005
Heavy metals (as Pb)	≤%	0.001
Microbiological Standards		
Total Plate Count		≤ 1000 CFU/g
Yeast & Mold		≤ 100 CFU/g
E. Coli		Negative
Salmonella		Negative

### 3. Applications

**Nutritional supplements** – as a magnesium source

**Infant formula and medical foods**

**Pharmaceutical preparations** – magnesium tablets, capsules

**Sports nutrition and fortified drinks**

#### **4. Packaging and Storage**

**Packaging:** 25 kg net weight per fiber drum or paper bag, inner with PE liner

**Shelf Life:** 24 months when properly stored

**Storage Conditions:** Store in a cool, dry place, away from light and moisture

#### **5. Regulatory Status**

Food grade, conforms to FCC / USP standards (depending on grade)

Manufactured under ISO and HACCP-certified facilities

Non-GMO, Allergen-Free, BSE/TSE-free