



TECHNICAL DATA SHEET

Product Name: Magnesium Succinate

CAS Number: 556-32-1

Molecular Formula: C₄H₄MgO₄

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 ³
Tapped density		0.5-0.8 g/cm ³
Content of Mg	%	16.0-18.0
Loss on drying	≤%	5
pH (5% solution)		5.0-10.0
Chloride (Cl)	≤%	0.01
Sulfate (SO ₄)	≤%	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