



TECHNICAL DATA SHEET

Product Name: Magnesium Bisglycinate

Synonyms: Magnesium Diglycinate, Bisglycinato Magnesium

Appearance: White crystals or crystalline powder

Molecular formula: $C_4H_8MgN_2O_4$

CAS number: 14783-68-7

HS CODE: 2922499990

TYPICAL SPECIFICATIONS

Appearance		White crystals or crystalline powder
Magnesium (on dried basis)	≥%	18.0-22.0
pH (1% solution)		9.0-12.0
Cadmium	≤ppm	1
Mercury	≤ppm	0.1
Lead	≤ppm	3
Arsenic	≤ppm	1
Loss on drying	%	1.0
Total Plate Count	≤CFU/g	1000

APPLICATIONS

Used in dietary supplements as a bioavailable magnesium source

Common in sports nutrition and stress-relief formulations

Applied in food fortification and pharmaceutical products

PACKAGING

25kg cardboard drum

25kg kraft bag

25kg Woven bag

1000kg jumbo bags

Custom packaging available upon request

STORAGE & HANDLING

Storage: Store in a cool, dry place away from direct sunlight and moisture, in well-sealed containers

Handling precautions: Avoid dust formation and inhalation; follow standard chemical hygiene practices

Shelf life: 2 years under recommended storage conditions

SAFETY & TRANSPORT

Classification: Non-hazardous

Toxicity: Considered safe at recommended dietary levels; excessive intake may lead to gastrointestinal discomfort

Transport: Not classified as dangerous goods

