



## TECHNICAL DATA SHEET

**Product Name:** Magnesium Taurate

**CAS Number:** 334824-43-0

**Molecular Formula:**  $C_4H_{12}MgN_2O_6S_2$

**Molecular Weight:** 272.58

### 1. Product Description

Magnesium Glycerophosphate is a white to off-white crystalline powder used as a nutritional supplement, dietary ingredient, or food additive. It is a stable, bioavailable source of magnesium and phosphorus and is often used in pharmaceutical formulations, health foods, and beverages. It provides dual benefits of magnesium and phosphate, both essential for energy metabolism, bone health, and neurological function.

### 2. Specification

Parameter	Specification
Appearance	White to off-white crystalline powder
Assay (on dry basis)	≥ 98.0%
Taurine Content	Conforms to standard
Magnesium Content (Mg)	8.0 – 9.5 %
Loss on Drying	≤ 2.0 %
Heavy Metals (Pb)	≤ 10 ppm
Arsenic (As)	≤ 2 ppm
pH (1% solution)	5.0 – 7.0
Solubility	Freely soluble in water
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