



TECHNICAL DATA SHEET

Magnesium Taurate

1. Product Description

Product Name: Magnesium Taurate

CAS Number: 334824-43-0

Molecular Formula: $C_4H_{12}MgN_2O_6S_2$

Molecular Weight: 272.58 g/mol

Grade: Food Grade

Application: Food

Magnesium Taurate is a magnesium compound associated with taurine. It is supplied as a white to off-white powder and is intended for use as a nutritional ingredient in food-related formulations, subject to applicable local regulations and the requirements of the finished product.

2. Chemical & Physical Properties

Property	Description
Appearance	White to off-white powder
Assay (on dry basis)	$\geq 98.0\%$
pH (1% solution)	5.0–7.5
Loss on Drying	$\leq 5.0\%$
Residue on Ignition	$\leq 0.2\%$

3. Specifications

Test Item	Specification
Appearance	White to off-white powder
Assay (on dry basis)	$\geq 98.0\%$
Identification	Positive
Loss on Drying	$\leq 5.0\%$
pH (1% solution)	5.0–7.5
Heavy Metals (Pb)	≤ 10 ppm
Arsenic (As)	≤ 2 ppm

Residue on Ignition $\leq 0.2\%$

The above specifications are based on the supplied Certificate of Analysis (COA). Batch-specific test results are provided in the corresponding COA.

4. Applications

Magnesium Taurate can be considered for use in:

- Nutritional supplement formulations
- Food and nutritional ingredient blends
- Mineral-containing food formulations
- Other food-related applications, subject to applicable regulatory requirements

5. Advantages

- **High assay:** Minimum assay of 98.0% on a dry basis.
- **Controlled quality:** Defined specifications for identification, moisture, pH, and selected impurities.
- **Consistent appearance:** White to off-white powder.
- **Versatile formulation ingredient:** Suitable for evaluation in food-related formulations according to the customer's processing requirements.

6. Packaging & Storage

Packaging: To be confirmed according to the agreed commercial packaging requirements.

Storage Conditions:

- Store in a tightly sealed original container.
- Keep in a cool, dry, and well-ventilated place.
- Protect from moisture, direct sunlight, and contamination.
- Reseal the package promptly after opening.

Shelf Life: 24 months from the manufacturing date when stored under recommended conditions in the original, unopened packaging.

7. Regulatory Status

This product is offered for food-related applications. Its suitability for a specific application and market should be assessed against the applicable local food regulations and customer requirements.

Product-specific certificates, regulatory documents, and additional analytical data are available for review upon request, subject to availability.

Document Note: This Technical Data Sheet is intended for general product information. The applicable product specification and batch-specific Certificate of Analysis should be consulted for quality verification. Information should be confirmed with the supplier before use in a regulated application.