TECHNICAL DATA SHEET

Product Name: Magnesium acetyl taurate / Magnesium acetyl taurinate / Magnesium N-acetyl Taurate
CAS Number: 75350-40-2
Molecular Formula: $C_8H_{16}MgN_2O_8S_2$
Molecular Weight: 388.65

1. Product Description

Magnesium Acetyltaurate is an organic magnesium salt formed from taurine and acetic acid. It is a bioavailable magnesium source known for its superior absorption and neurological benefits. This compound combines the calming properties of taurine with the essential mineral magnesium, providing synergistic support for brain, cardiovascular, and metabolic health.

2. Specification

Parameter		Specification
Appearance		White or off-white powder
Content of Magnesium (dry basis)	%	6.5-6.9
Acetyl taurate	%	91.0-95.5
Appearance of solution		Pass test
Loss on drying (4h@150℃)	≤%	10
Taurate	≤%	2
Organic solvents (ethyl acetate and ethanol)	≤%	0.5
Acetic acid	≤%	0.1
Acidity		Pass test
Iron	≤ppm	150
Heavy metal	≤ppm	20
Total Plate Count	≤cfu/g	1000
Total Yeast & Mold	≤cfu/g	100
Staphylococcus aureus		Negative
Salmonella		Negative
Escherichia Coli		Negative

3. Applications

Nutraceuticals & Dietary Supplements: As a magnesium source to support neurological and cardiovascular function.

Pharmaceuticals: Used in formulations targeting anxiety, hypertension, or neuroprotection.

Functional Foods & Beverages: Can be added to health drinks, powders, or tablets for magnesium fortification.

Sports Nutrition: Helps in muscle recovery and reduction of oxidative stress.

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

