

Magnesium Acetyl-Taurate Specification Sheet

Public technical specification for buyer documentation review

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Field	Specification / note
Ingredient name	Magnesium acetyl taurate (MagTaurate™)
Synonyms	Magnesium N-acetyl taurate; magnesium bis(2-acetamidoethanesulfonate); magnesium acetyl taurinate
CAS number	75350-40-2
Machine-readable identifiers	InChIKey MJFUUCZDSVHBDU-UHFFFAOYSA-L · PubChem CID 11703161
Molecular formula	C 8 H 16 MgN 2 O 8 S 2
Molecular weight	356.66 g/mol (calculated for the anhydrous formula)
Assay / purity	98% minimum by HPLC. Elemental magnesium content is stated on the Certificate of Analysis for each lot; other grades available on request.
Production route	Chemical synthesis from N-acetyl taurate (taurine-derived) and a magnesium source.
Appearance	White to off-white powder
Solubility	Water-soluble; solubility data for the supplied grade are stated on the specification sheet.
Typical applications	Capsules, tablets, powder sticks and sachets, and beverage powders for B2B dietary-supplement programs.
Elemental magnesium content	6.39–7.07% Mg by titration, stated on the Certificate of Analysis for each lot. Dose on elemental magnesium per gram, not on salt weight.
Particle size	Minimum 95% through #20 mesh (USP method).
Loss on drying	Not more than 1.0% (CP2020 method).
Contaminant limits	Lead, arsenic, mercury and cadmium each not more than 1 ppm by ICP-MS. Total plate count not more than 1,000 cfu/g; yeast and mould not more than 100 cfu/g; E. coli, Salmonella and S. aureus negative. Aflatoxins B1, B2, G1, G2 not more than 20 ppb by LC-MS. Residual solvents and pesticide residues meet USP.
Allergen and GMO limits	Gluten not more than 20 ppm; soy and total milk protein each not more than 2.5 ppm (ELISA). GMO not more than 0.1% by PCR.
Packaging	25 kg per barrel: double polyethylene bag inside, fibre drum outside.
Storage	Store in a dry, cool place away from strong light and heat.
Shelf life	Five years from date of manufacture when stored as specified.
Documentation	Certificate of Analysis (identity and HPLC assay with assay basis), specification sheet, heavy metals, microbiological, residual solvents, allergen and GMO statements; stability data available on request.
Quality system	ISO 22000:2018, FSSC 22000 and HACCP based quality system, GMP-aligned manufacturing; certificates available on request.
Supplier	Nutrition BioTech, 1601 W. Mission Blvd, Suite 103 (DL#29), Pomona, CA 91766, United States

Public disclosure note: This public sheet is prepared from the current NaturalBestBio product-page specification block. It is not a batch-specific Certificate of Analysis. Lot-specific COA and supporting records are available for qualified buyer review when appropriate.

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