Taurine

$C_2H_7NO_3S$ · CAS 107-35-7 · 2-aminoethanesulfonic acid, crystalline

INDICATIVE SPECIFICATION — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM 2-aminoethanesulfonic acid, crystalline	FORMULA $C_2H_7NO_3S$	CAS 107-35-7	PRIMARY ASSAY 98.5–101.5% (HPLC or titration)
METHOD HPLC and titration	MINIMUM ORDER 1 kg	LEAD TIME 1–7 days	STANDARD PACK 1 kg foil pouch

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Assay (dried basis)	98.5–101.5% (HPLC or titration)	Analytical
Appearance	White crystalline powder	Specification
Identification	IR conforms	Specification
Loss on drying	≤0.3%	Specification
Residue on ignition	≤0.1%	Specification
Chloride	≤0.05%	Specification
Sulfate	≤0.03%	Specification
Iron	≤30 ppm	Specification
Heavy metals	Pb ≤3 · As ≤2 · Cd ≤1 · Hg ≤0.1 mg/kg	Specification
Particle size	20–200 mesh	Sieve
Microbiology	APC ≤1,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent	Specification
Marker set	Taurine (98.5–101.5%, dried basis)	Identity / ratio
Appearance	White crystalline powder	Visual
Solubility	Freely soluble in water; the 5% solution is acidic (pH 4.0–6.0).	Matrix dependent
Standard packaging	1 kg foil pouch · 25 kg fiber drum	Food-grade liner

APPLICATIONS

- Capsules and tablets
- Powder sticks and drink mixes
- Sports and energy powders
- Functional beverages

AVAILABLE FORMS

- Crystalline powder, 20–200 mesh
- Milled to 80 mesh on request
- Granulated on request

WHAT TO CONFIRM BEFORE ORDERING

- Confirm the assay basis: dried, as-is or anhydrous. The same lot can look different against each basis.
- Ask for chloride, sulfate and residue on ignition; a high ash figure is the usual sign of an inexpensive grade.
- The source route (fermentation or chemical synthesis) is not always on the certificate; ask for it if the label claims a route.
- Taurine use in food supplements is market-specific; confirm the destination rule before the label is designed.

Indicative document. This sheet describes the grade we can quote; it is not a batch COA and does not confirm a result for a specific lot. Final specification, contaminant limits and documentation are agreed in writing before the order. The form, hydrate state, ligand ratio and method are release parameters, not marketing descriptions.

DOCUMENTATION RELEASED WITH EACH LOT

DOCUMENT	CONTENT	SCOPE
Certificate of analysis	Assay, identity, physical parameters, contaminant panel and the release decision for the lot.	Batch-specific
Technical data sheet	Form, hydrate state, CAS, specification ranges, solubility, bulk density, storage and packing.	Product-level
Safety data sheet	Sixteen sections covering hazards, handling, storage, transport and emergency response.	Grade-specific
Allergen and GMO statements	Major allergens, gluten, animal-derived inputs and GMO status.	Batch-specific
Origin and traceability record	Manufacturing site and the link between the lot and the retained sample.	Batch-specific
Residual-solvent statement	The crystallisation system and the solvent class, where applicable.	Batch-specific

HOW TO REQUEST THIS GRADE

01 · BRIEF

Send the target specification, quantity, dosage form and destination market.

02 · COUNTER-SPEC

We confirm what can be matched and the documents available for the grade.

03 · SAMPLE & QUOTE

A sample with its own COA, followed by packing, lead time and terms in writing.

No claim is made here. This sheet does not claim a therapeutic effect, a product certification or a regulatory approval. Health claims belong to the brand that makes them and to the market that authorises them.

Shaanxi Rainwood Biotech Co., Ltd. · Rm 218, Tangxing Digital Bldg, #6 Tangxing Rd, Xi'an, Shaanxi, China

info@rainwoodbio.com · nutrition.rainwoodbio.com