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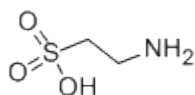
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Technical Data Sheet

Taurine

Product Information

Chemical Name	Taurine
CAS #	107-35-7
Formula	C ₂ H ₇ NO ₃ S ₃
Molecular Weight	125.15
Synonyms	2-amino-ethanesulfonic acid; 2-sulfoethylamine; Aminoethanesulfonic acid; beta-Aminoethylsulfonic acid; Ethanesulfonic acid, 2-amino-; Ethanesulfonic acid
Chemical Structure	



Description

Taurine (Taurine), also known as beta - amino acid, was first separated from niuhuang. Pure colorless or white oblique shaped crystal, odorless, taurine is chemically stable, insoluble in ether and other organic solvents, non protein is a sulfur-containing amino acid in the body, the free state of existence, not involved in protein biosynthesis. Taurine is not involved in protein synthesis, but it is closely related to the metabolism of cysteine and cysteine. The synthesis of taurine from the human body (CSAD) is low, mainly rely on the taurine to meet the needs of the body.

Physical Properties

Melting point, °C .	>300 °C(lit.)
Density	1.00 g/mL at 20 °C
Soluble	H ₂ O: 0.5 M at 20 °C, clear, colorless

Specification

Characteristics	White crystalline powder, odorless, tiny acid
Chloride	≤ 0.1%
Ammonium Salt	≤ 0.02%
Sulphate	≤ 0.2%

Loss on drying	≤ 0.4%
Residue on ignition	≤ 0.1%
Heavy metals	≤ 0.001%
Arsenic	≤ 0.0002%
Assay(anhydrous)	≥ 98.5%

Safety

Always refer to the Material Safety Data Sheet (MSDS)

Applications

- 1) Taurine is not constitute a protein amino acid, but distribution is very wide, is essential for human body growth and development of amino acids.
- 2) Taurine can be used in the pharmaceutical industry, food industry, also used in detergent industry and production of fluorescent whitening agent.
- 3) In pharmaceuticals, Taurine can be used to treat a cold, fever, rheumatoid arthritis, neuralgia, tonsillitis, bronchitis, and drug poisoning and other diseases.
- 4) Taurine is mostly used as nutrition enhancer such as energy drinks etc.

Packaging

25kg pp woven bag or as clients' request

Storage & Handling

Do not store in direct sunlight. Store in a tightly closed container.

Store in a cool, dry, well-ventilated area away from incompatible substances.

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation.

Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Keep container tightly closed.

Avoid ingestion and inhalation.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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