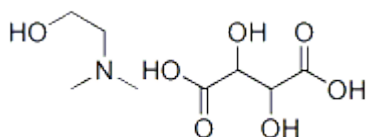




DMAE Bitartrate

Name: DMAE Bitartrate
Synonyms: Deanol bitartrate
Chemical name: Dimethyl Amino Ethyl
Bitartrate
CAS number: 5988-51-2 / 29870-28-8
EINECS: 227-809-3
Molecular formula: $C_4H_{11}NO \cdot C_4H_6O_6$
Molecular Weight: 239.22
Chemical Structure:



Physical/Chemical characteristics

Appearance: white crystals powder
Odor: odorless or faint characteristic odor
Melting point: 102-110°C
Bulk density: 0.50-0.70g/mL

Product specification*

Assay: 98.0-101.0% d.s.
pH(10% solution): 3.0-4.0
Loss on drying: max. 0.5%
Residue on ignition: max. 0.1%
Heavy metals: max. 10mg/kg
Arsenic: max. 2mg/kg
Total plate count: max. 1000cfu/g
Yeast and mould: max. 100cfu/g

*Only selected data is represented here, for a full set of specifications we refer to our Specifications sheet.

Applications

DMAE bitartrate, the salt form of DMAE, is used in topical formulations as the pH is close to that of skin. DMAE is structurally similar to choline, an important component of cell membranes. Choline is a precursor to acetylcholine, which stimulates muscle contraction. DMAE is known to have skin tightening effects. In several clinical studies, it successfully reduced wrinkles, improved lip fullness, and tightened neck skin.

It can be used in moisturizers, creams, and face washes.

Potential benefits

Health:

- Improve the level of choline in blood and brain tissue.
- Increase intelligence and physical strength.
- Used in anti-aging.

In Skin Care:

- Tighten the skin and improve skin elasticity, reduce fine lines and wrinkles.
- Anti-inflammatory, prevent and reduce age spots.
- Moisturizing and hydration
- Antioxidant, fight and reverse the signs of

aging.

- Reduce dark circles under eyes

Usage

Cosmetics: Recommended use level: 1 to 3%

Add to water phase or after cool down.

For Health: 300-1000mg per daily, take the tablet or capsule with water after eating and preferably in the morning, or as recommended by a healthcare practitioner.

Safety

DMAE Bitartrate is from chemically synthesized, and it is lactose free and gluten free, Non-GMO, Non-ETO; it does not contain any animal derived ingredients, it is BSE/TSE free.

Solubility

Very soluble in water (156g/100g, 25°C).

Shelf life

Two year from date of manufacture when stored in original packaging.

Storage conditions

Store in the original sealed container in a cool and dry place out of direct sunlight. Store below 40°C.

Packaging

25 kg fiber drums with two polyethylene inner bag or as per your request.

Further information

The tolerances are given in the product specification sheet. Further safety information is provided in our Material Safety Data Sheet.



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