

CAMPO D.M.A.E. 99.99%



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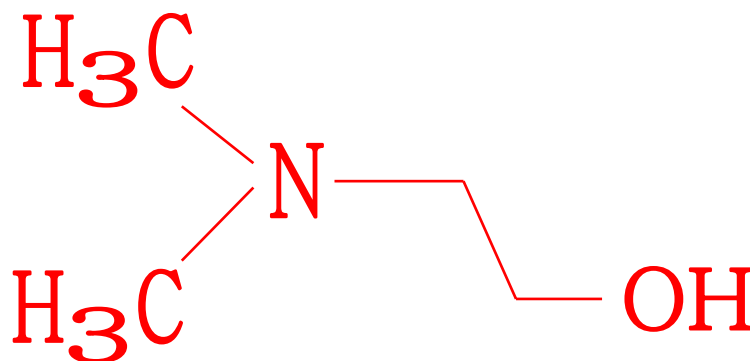
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CAMPO® Multi-Purpose Cosmetic Base Chemicals & Active Ingredients

CAMPO® Novel Functional Active Cosmetic Ingredient & Raw Materials

CAMPO DMAE 99.99%

Dimethylaminoethanol, also known as **DMAE** or **dimethylethanolamine**, is a Natural organic compound, extracted from Mexican Skin Tree (Mimosa Tenuiflora).



This natural phyto-isolated compound also goes by the names of N, N-dimethyl-2-aminoethanol, beta-dimethylaminoethyl alcohol, beta-hydroxyethyldimethylamine and Deanol. Campo DMAE 99.99% is a natural plant isolated metabolite of clear, pale-yellow semi-solid paste, with amphiphilic properties as true DMAE is, of in behavioral aspects and as the True DMAE did exist in Nature.



Mimosa Stem

Mimosa Flowering stage

Biochemical precursor

Dimethylaminoethanol is related to choline and may be a biochemical precursor to the neurotransmitter acetylcholine, although this conclusion has been disputed. It is believed that dimethylaminoethanol is methylated to produce choline in the brain. It is known that dimethylaminoethanol is processed by the liver into choline; however, the choline molecule is charged and cannot pass the blood–brain barrier.

Research

Short-term studies have shown an increase in vigilance and alertness with a positive influence on mood following administration of DMAE, with vitamins, and with minerals in individuals suffering from borderline emotional disturbance. Research for attention deficit hyperactivity disorder (ADHD) has been promising, though inconclusive.

Cosmetics

Cosmetically, DMAE is an antioxidant membrane stabilizer. When taken orally or applied topically, it helps to firm, smoothen, and brighten the skin. It also enhances the effects of other antioxidants like alpha lipoic acid and Vitamin C ester. As a result, DMAE works best when used in combination with other nutrients and an antioxidant base, of Alpha-Lipoic Acid, Songyi Mushroom, and Kinetin etc.

DMAE causes some degree of skin tightening by stabilizing the membranes, boosting acetylcholine, reducing lipofuscin deposits. The mechanism, of the effect of DMAE is often noticeable. DMAE cannot fully reverse the existing facial sag, but it may reduce its further progression. Some people reported a cumulative effect with continued use of DMAE.

DMAE studies - that it reduced the accumulation of lipofuscin deposits inside cells. Lipofuscin is a cellular pigment consisting of aggregated chunks of molecular waste. It tends to occur in the cells of older people. It is likely that lipofuscin is not simply and only a byproduct of aging but also contributes to the aging process. Neurons, heart and skin of older people usually contain particularly large amounts of lipofuscin.

Lipofuscin causes:-

- Wrinkling
- Discoloration
- Mottling, or patchy skin
- Broken blood vessels
- Decrease in radiance
- Loss of firmness

Campo DMAE should be added at a dosage of 1.2% in an anti-oxidant base containing 0.35% Songyi Mushroom Total Extract 60%, 0.75% Alpha Lipolic Acid, and 0.45% Kinetin Liquid, to reduce totally the Lipofuscin related skin aging problems as said above, that usually present in human population above 30 years old and progressing as aging advances....Therefore, Campo DMAE, is known and may be useful in elimination of Lipofuscin, and the Lipofuscin related accumulation that leads to superficial fasciae, facial fasciae, and of for deep or muscular fasciae.

[For Lipofuscin and related fasciae conditions and topical therapy and IV therapy ---- See also Campo KYARA \(Aquilaria sinensis, -pure woody grained wax, or Calambac \(French\) or KyNam \(Qinam\) kỳ huỳnh \(Vietnamese\) Golden Yellow Ky Nam \(Vietnamese\), Golden , 沉香 Shu Chénxiāng Shu Chen Xiang \(Chinese\) and see also-Campo Kyara extracted DMAE. with fragrant sesquiterpenes \(2-\(2-phenylethyl\)chromone derivatives\)](#)

(财富永远食品作为预防保健治疗医学 (心脏健康并健康的血液循环 - 对于曾经青春体态中长寿循环 - 对于曾经青春体态中长寿 -translation -A Wealth Forever with Food as Medicine of preventive health therapy (Healthy Heart and Healthy Blood Circulation -for Longevity of Ever Youthful Body)

**CAMPO RESEARCH Pte Ltd
TECHNICAL SPECIFICATION**

PRODUCT Name (Campo Research) Other Trade Names (Campo Research)	CAMPO D.M.A.E. 99.99% N,N-dimethyl-2-aminoethanol, beta-dimethylaminoethyl alcohol, beta-hydroxyethyl dimethylamine and Deanol
CTFA TRADE NAME (Proposed) Existing CTFA/INCI Name	Campo D.M.A.E. 99.99% <i>Dimethylaminoethanol Tartrate</i>
CAMPO PRODUCT # HS Code:	92341508 1302.19.9099
INCI/CTFA Monograph ID:	21280 – Dimethylaminoethanol Tartrate
CAS# CAS# EU	29870-28-8 – Dimethylaminoethanol Tartrate 29870-28-8 (EU) – Dimethylaminoethanol Tartrate
EINECS Number and Name EINECS# EU	N/A – Dimethylaminoethanol Tartrate N/A (EU) – Dimethylaminoethanol Tartrate
EINECS Number and Name EINECS# EU European Commission–Health & Consumer Cosmetics–Cosing	Dimethylaminoethanol Tartrate http://ec.europa.eu/consumers/cosmetics/cosing/index.cfm?fuseaction=search.details_v2&id=83526 Dimethylaminoethanol Tartrate – N/A (EU)
BATCH/LOT #	See COA
SPECIES	<i>Dimethylaminoethanol Tartrate; Dimethyl MAE</i> <i>Syn: Dimethylaminoethanol Tartrate; Dimethyl MAE</i> http://ec.europa.eu/consumers/cosmetics/cosing/index.cfm?fuseaction=search.details&id=33479 (ex-MIMOSA TENUIFLORA BARK EXTRACT)– http://ec.europa.eu/consumers/cosmetics/cosing/index.cfm?fuseaction=search.details&id=78512
RAW MATERIAL - ORIGIN	INDIA
CONCENTRATION	99.99%
COMMENTS	* Heat stable to liquid then agitate well before use A Quality Management System, compliant to the International Standard ISO 9001, was used to manufacture and test this material *Please take note that all specifications are liable to changes without any prior notice.

Specification Parameter Analysis	Specification Range	Result	Methods
Physical Form	Hard to Semi Hard Paste	Conforms	Visual
Colour	Yellow/Brown	Conforms	Visual
Odour	Faint Characteristic	Conforms	Olfactory
Specific Gravity (20deg.C)	-	N/A	USP XXIX / Paar,DMA35
Refractive Index (20deg.C)	-	N/A	USP XXIX / DGF IV C (52)
pH(20°C) (10% in Solution)	-	N/A	USP XXIX / DGF H III (92)
Extraction Solvent	Water Purified USP		
Water Solubility	-	Conforms	-
Saponification Value	-	-	-
Viscosity	-	-	-
Dry Residue (160deg.C /2hrs)	1 -15 %		Mettler 16J
Preservation	None	Conforms	Magnetised in vaccum Huddle Tech.
Pesticide Content	None	Conforms	Pflanzaniaschuttal 1989
Total Germs	<100 Cfu/ml - Non-pathogenic	Conforms	USP XXIX / Ph.Eur.2.6.12(97)
Total Yeast/Mold	<100 Cfu/ml	Conforms	USP XXIX / Ph.Eur.2.6.12(97)
Heavy Metals(Total)As,Pb,Hg	<0.060 ppm	Conforms	USP XXIX / Ph.Eur.2.6.12(97)

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