

CAMPO D.M.A.E. 99.99%



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CAMPO® Multi-Purpose Cosmetic Base Chemicals & Active Ingredients

CAMPO® Novel Functional Active Cosmetic Ingredient & Raw Materials

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Ask about our CAMPO Herbal Natural Products Chemistry Consultancy Services -Product Registration EEC/UK New Drug Development (NDA-US); Quasi-Drug Topicals (MOHW_Japan); Development of Standards, Analysis & Profiles of Phytochemicals; Literature searches, Cultivation of Medicinal Plants, Clinical-Trials, Development of new uses for Phytochemicals and Extracts; Contract Research and Development Work in Natural Products for Novel Drugs, New Cosmetic Active Ingredients for Active Topica/OTC Cosmetic with functionality and Consumer-perceivable immediate-results, New Food Ingredients for Nutraceuticals & Functional Foods.

Welcome - [<http://campo-research.com/>]

Haircare Suncare Skincare Eyecare Bath Slimming Ingredients Help

non-listed ingredients enquiry cosmetics ingredients what's new in campo best seller ingredient INCI/CTFA names distributor enquiry new innovations contacting us formularies press releases export enquiry our profile MSDS

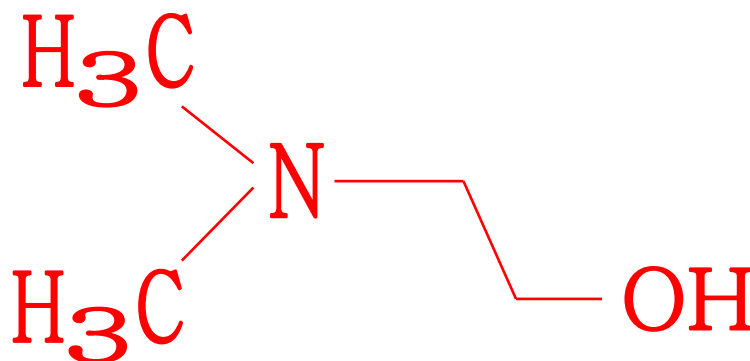
福 CAMPO RESEARCH
ACTIVE INGREDIENTS

Campo Novel Active Cosmetic Ingredients. The Ingredients That Impart Consumer Perceivable Functional Activities To Your Cosmetic End Products !!!

24 hrs. campo@pub1.jp.vocaltec.com support@campo-research.com

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.



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 <i>(ex-MIMOSA TENUIFLORA BARK EXTRACT)–</i> 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 <i>*Please take note that all specifications are liable to changes without any prior notice.</i>

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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 CAMPO RESEARCH USA, INC SAN DEIGO CA 92111, & Manhattan, New York City, USA
 CAMPO RESEARCH s.r.o., Brno, Czech Republic
 CAMPO RESEARCH Pvt. Ltd, CHENNAI , INDIA
 CAMPO RESEARCH CANADA LTD, TORONTO, CANADA

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**“(SAFETY DATA SHEET – compliant to GHS)”
 CONFIRMS TO EC DIRECTIVE 91/155/EEC, EC REGULATION
 NO#1272/2008, AMENDED EC REGULATION NO#790/2009 and Complies
 to The EU Cosmetic Products Regulation (Regulation (EC) No 1223/2009)
 effective on July 2013., and to EU Commission Regulation No.358/2014/9 of 9th
 April 2014 amending Annexes II and V, to EU Regulation No No.1223/2009 of
 The European Parliament and of The Council on Cosmetic products,
 (Effective Date 31st October 2014) AND to US DEPT.OF LABOR-
 Occupational Safety & Health Admin directives and compliant to Globally
 Harmonized System of Classification and Labeling of Chemicals (hereinafter
 referred to as “the GHS”)., and Complies and Confirms to the Requirements
 of State of California Proposition 65.**

A Quality Management System, compliant to the International Standard ISO 9001, was used to manufacture and test this material

<http://www.osha.gov/dsg/hazcom/ghs.html>
http://www.unece.org/trans/danger/publi/ghs/ghs_welcome_e.html
<http://www.hc-sc.gc.ca/ahc-asc/intactiv/ghs-sgh/index-eng.php>

DATE OF ISSUE	November 7 th 1997-Reviewer - Dr Fergus Jes .G.Velasquez Bsc. Med Tech, MD February 10 th 2012 – Reviewer - Joshua Teo,BSc.Chem Februrary 5th 2013 – Reviewer – Dr Balasubramaniam M, PhD 12th February 2015 - Joshua Teo, BSc.Chem Balasubramaniam M PhD & Oksana Nemchenko MD 15th May 2016 - Joshua Teo, BSc.Chem Balasubramaniam M PhD & Oksana Nemchenko MD
1 IDENTIFICATION	
COMMERCIAL NAME:	CAMPO D.M.A.E. 99.99%
OTHER NAMES	N,N-dimethyl-2-aminoethanol, beta- dimethylaminoethyl alcohol, beta- hydroxyethyldimethylamine and Deanol
LATIN NAME:	-
INCI NAME: (PROPOSED)	N,N-dimethyl-2-aminoethanol, beta- dimethylaminoethyl alcohol, beta- hydroxyethyldimethylamine and Deanol
INTERNATIONAL CHEMICAL IDENTIFICATION (EC REGULATION NO#1272/2008 AMENDED NO#790/2009)and	N,N-DIMETHYL-2-AMINOETHANOL, BETA- DIMETHYLAMINOETHYL ALCOHOL, BETA- HYDROXYETHYLDIMETHYLAMINE AND DEANOL

Compliant to the GHS.	
MANUFACTURER : (cGMP MFG. FACILITIES) :	CAMPO RESEARCH Pte Ltd Level 30, 6 Battery Road, Singapore 049909.
EMERGENCY TELEPHONE NUMBERS:	(65)-63833631/(65)-63833202 (Singapore)
2	COMPOSITION
100% CO ₂ GAS EXTRACTED N, N-DIMETHYL-2-AMINOETHANOL –(FROM-EX-MIMOSA TENUIFLORA BARK EXTRACT) - IN WATER CARRIER MENSTRUM	N,N-dimethyl-2-aminoethanol
CTFA Monograph ID:	21280 – Dimethylaminoethanol Tartrate
CAS#	29870-28-8 – Dimethylaminoethanol Tartrate
CAS# EU	29870-28-8 (EU) – Dimethylaminoethanol Tartrate
CAS NO# (CAS Name) (EC REGULATION NO#1272/2008 AMENDED NO#790/2009) and Compliant to the GHS	29870-28-8 (EU) – Dimethylaminoethanol Tartrate
EINECS Number and Name	N/A – Dimethylaminoethanol Tartrate
EINECS# EU	N/A (EU) – Dimethylaminoethanol Tartrate
EC No. (EC REGULATION NO#1272/2008 AMENDED NO#790/2009) and Compliant to the GHS	N/A (EU) – Dimethylaminoethanol Tartrate
EINECS Number and Name	Dimethylaminoethanol Tartrate
EINECS# EU	http://ec.europa.eu/consumers/cosmetics/cosin/g/index.cfm?fuseaction=search.details_v2&id=83526
European Commission–Health & Consumer Cosmetics–Cosing	Dimethylaminoethanol Tartrate – N/A (EU)
RISK PHRASES	None
SAFETY PHRASES 25-26	Not Mandatory
<u>GHS CLASSIFICATION :</u>	PICTOGRAM : NONE
This material is Non-hazardous according to UN-GHS Criteria.	
<u>GHS LABEL ELEMENTS:</u>	No GHS Pictogram (Totally Non-Hazardous Division 1.6; No Hazard Statement.
3	HAZARDS
NOT CLASSIFIED AS DANGEROUS	

<p>ACCORDING TO DIRECTIVE 67/548/EEC OR ITS AMENDMENTS.</p> <p>HAZARD CLASS and CATEGORY CODE(s)</p> <p>HAZARD STATEMENT CODE(s) <i>(EC REGULATION NO#1272/2008 AMENDED NO#790/2009) and Compliant to the GHS</i></p> <p><u>GHS CLASSIFICATION :</u> This material is Non-hazardous according to UN-GHS Criteria.</p> <p><u>GHS LABEL ELEMENTS:</u></p>	<p>DIVISION 1.6; NON-HAZARDOUS NO HAZARD STATEMENT</p> <p>PICTOGRAM : NONE No GHS Pictogram (Totally Non-Hazardous) Division 1.6; No Hazard Statement.</p> <p>PICTOGRAM : NONE No GHS Pictogram (Totally Non-Hazardous) Division 1.6; No Hazard Statement.</p> <p>No GHS Pictogram (Totally Non-Hazardous) Division 1.6; No Hazard Statement.</p>
<p>4 FIRST AID MEASURES</p>	
<p>EYE CONTACT:</p> <p>ORAL INGESTATION:</p> <p>SKIN CONTACT:</p>	<p>Wash with water or standard eye wash solution. Seek medical advice, if irritation occur and persist.</p> <p>If symptoms persist consult a doctor</p> <p>Wash with water or shower.</p>
<p>5 FIRE FIGHTING MEASURES</p>	
<p>NON-COMBUSTIBLE AND PRESENTS NO SPECIAL FIRE HAZARD.</p> <p>EXTINGUISHING MEDIA: Treat as oil fire when store in HDPE drums with CO2, dry foam or dry chemical.</p> <p>PROTECTIVE EQUIPMENTS FOR FIGHTERS: Standard Equipments.</p>	
<p>6 ACCIDENTAL RELEASE MEASURES</p>	
<p>ABSORB ONTO AN INERT MATERIAL AND SCRAPE UP. REMOVE RESIDUE BY SCRUBBING WITH HOT WATER OR DETERGENT SOLUTION.</p>	
<p>7 HANDLING AND STORAGE</p>	
<p>STORE IN SEALED CONTAINERS UNDER NORMAL COOL, DRY WAREHOUSING CONDITIONS.</p>	
<p>8 EXPOSURE AND PERSONAL PROTECTION</p>	
<p>IN ACCORDANCE WITH GOOD INDUSTRIAL PRACTICE AND HANDLING USING STANDARD EYE PROTECTION.</p>	

9	PHYSICAL AND CHEMICAL PROPERTIES	
	PHYSICAL FORM:	Hard to Semi-Hard Paste
	COLOUR:	Yellow/Brown
	ODOUR:	Faint Characteristic
	BOILING POINT:	-
	MELTING POINT:	-
	VISCOSITY:	-
	FLASH POINT:	N/A
	FLAMMABILITY SOLID/GAS:	N/A
	AUTO FLAMMABILITY:	N/A
	SPECIFIC REFRACTIVE:	N/A
	EXPLOSIVE PROPERTIES:	N/A
	pH: (100% Concentrate)	N/A
	OXIDIZING PROPERTIES:	N/A
	VAPOUR PRESSURE:	N/A
	DENSITY:	N/A
	WATER SOLUBILITY:	Soluble
	OTHER SOLUBILITY:	In most cosmetic solvents
	BULK DENSITY:	-
	PARTITION COEFFICIENT: (OCTANOL/WATER)	-
	EXPLOSIVE LIMITS:	-
10	STABILITY AND REACTIVITY	
	THERMAL DECOMPOSITION:	Stable under normal conditions of use.
11	TOXICOLOGICAL DATA	Animal Tests Last Done 1992, as requirements of the then EC DIRECTIVE 91/155/EEC
	ORAL:	LD50 > 891 MG/KG (Body Wt.) Rat Essentially Non-Toxic and Edible in Small Quantity.
	DERMAL:	Expected To Be Essentially Non Toxic.
	INHALATION:	May cause irritation to the upper respiratory tract
	SPECIFIC CONCENTRATION LIMITS M-FACTORS (EC REGULATION NO#1272/2008 AMENDED NO#790/2009) and Compliant to the GHS.	891 MG/KG (Body Wt.); CATEGORY 5 Essentially Non-Toxic and Edible in Small Quantity.
	TOXIC EFFECTS:	
	SKIN:	Primarily Irritation Index (PII) = 0.0 (Non-Irritating - Skintex), Not A Primarily Irritant. Non-irritant / Non-sensitizer as per Repeated Patch Insult Test on 50 Human volunteers.

EYE:	<p>Human Repeated Patch Test 48 hours: 50/50 completely non-irritating / non-erythema causing ingredient at 10% concentrate in water on 50 human volunteers</p> <p>Very Mild/Minimal-not A Transient Conjunctival Irritant at 1% concentrate in water(Eyetex Classification).</p> <p><i>Summarized toxicological data as shown here are formation bounded under Non-Disclosure Agreement with various clients as when these Toxicological Data were established or their exclusive uses</i></p>
12	ECOLOGICAL INFORMATION
	<p>BIODEGRATION: Expected To Be Ultimately Biodegradable.</p> <p>FISH TOXICITY: No Data</p> <p>BACTERIAL & VIRAL TOXICITY: No data</p> <p>WGK CLASS: WGK (Self Classification)</p>
13	DISPOSAL CONDITIONS
	DISPOSE OFF ACCORDING TO A RECOGNISED METHOD OF CHEMICAL WASTE DISPOSAL.
14	TRANSPORT INFORMATION
	<p>UN NUMBER# : N/A</p> <p>UN NAME: Not Assigned</p> <p>IMDG CODE/CLASS: Not Hazardous</p> <p>IMDG CODE PAGE NO. N/A</p> <p>ICAO/IATA AIR CLASS: Non-Hazardous</p> <p>ICAO/IATA AIR CLASS PACKING GROUP: N/A</p> <p>RID/ADR CLASS: Non-Hazardous</p> <p>ADNR CLASS: Non-Hazardous</p> <p>LABELLING: (EC REGULATION NO#1272/2008 AMENDED NO#790/2009) and Compliant to the GHS.</p> <p>PICTOGRAM SIGNAL WORD CODE(s): No GHS Pictograms (Totally Non-Hazardous) Division 1.6; No Hazard Statement</p> <p>HAZARD STATEMENT CODE(s): Similar Division 1.6; No Hazard Statement</p> <p>SUPPLEMENTARY HAZARD STATEMENT CODE(s):</p>
15	REGULATORY INFORMATION
	<p>OCCUPATIONAL EXPOSURE LIMITS: N/A</p> <p>U.S. State of California Proposition 65 INGREDIENTS Presence None (Exempted from CA Prop 65 Register)</p>

<p>EU Commission Regulation No.358/2014/9 of 9th April 2014 amending Annexes II and V, to EU Regulation No No.1223/2009 of The European Parliament and of The Council on Cosmetic products</p>	<p>“Contains No Parabens and nor contains any Branched Chain Parabens”.(EU Regulation No.358/2014/9 of 9th April 2014)</p>
<p>16 OTHER INFORMATION</p>	
<p>SUPPLEMENTARY DIETARY/FOOD USE.</p> <p>This format and information is compiled by Kampoyaki Novel Natural Product Chemistry/ Novel Drug Discovery cGMP; for Campo Research, Singapore.</p>	<p>N/A</p> <p>*Please take note that all specifications are liable to changes without prior notice.</p>

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