

# CERTIFICATE OF ANALYSIS PRODUCT NAME: VITAMIN E (TOCOPHEROL 70%)

Batch Number: 4564402

PRODUCT INCI: TOCOPHEROL & HELIANTHUS ANNUUS SEED OIL

CAS NUMBER: 59-02-9 **EINECS NUMBER: 200-412-2** 

MANUFACTURING METHOD: SHORT PATH DISTILLATION & INFUSED

BEST BEFORE DATE: December 2027

ANALYTICAL DETAILS	RANGE %	RESULTS
Appearance	Viscous liquid	-
Odour	Characteristic	-
COLOUR	clear yellow- brown — Red	-
TOTAL TOCOPHEROLS (%)	≥ 70.0	71.0
Non-alpha Tocopherols (%)	≥ 56.0	62.52
D-ALPHA TOCOPHEROLS (%)	6.0 – 14.0	11.95
D-BETA TOCOPHEROLS (%)	0.01-5.00	2.5
D-GAMMA TOCOPHEROLS (%)	38.0 – 50.0	46.53
D-delta Tocopherols (%)	13.0 – 25.0	15.99
ACIDITY (ML)	≤ 1.0	0.31
TOTAL PLATE COUNT (CFU/G)	≤ 1000.0	ABSENT
YEAST & MOULDS (CFU/G)	<100.0	ABSENT
COLIFORMS (MPN/G)	≤ 10.0	ABSENT
Salmonella	Absent/25g	ABSENT
E. COLI	ABSENT/10G	ABSENT
STAPHYLOCOCCUS AUREUS,	Absent/10g	ABSENT
Pseudomonas aeruginosa	ABSENT/10G	ABSENT
Enterobacteriaceae	Absent/25g	ABSENT
HEAVY METAL (PPM)	≤ 5.0	Conforms
ARSENIC (PPM)	≤ 0.2	Conforms
LEAD (PPM)	≤ 0.5	Conforms
MERCURY (PPM)	≤ 0.1	Conforms
CADMIUM (PPM)	≤ 0.2	Conforms



### **ALLERGEN STATEMENT**

PRODUCT NAME: VITAMIN E (TOCOPHEROL 70%)

### **COSMETIC ALLERGENS**

	ANNEX		CACAULABED	TOTAL ALLERGEN INCLUSION	
NO.	Ш	ALLERGEN	CAS NUMBER:	(%):	
1	327	ACETYL CEDRENE	32388-55-9	-	
2	67	AMYL CINNAMAL	122-40-7	-	
3	74	AMYLCINNAMYL ALCOHOL	101-85-9	-	
4	328	AMYL SALICYLATE	2050-08-0	-	
5	329	TRANS-ANETHOLE	4180-23-8	-	
6	80	ANISYL ALCOHOL	105-13-5	-	
7	330	BENZALDEHYDE	100-52-7	-	
8	45	BENZYL ALCOHOL	100-51-6	-	
9	85	BENZYL BENZOATE	120-51-4	-	
10	81	BENZYL CINNAMATE	103-41-3	-	
11	75	BENZYL SALICYLATE	118-58-1	-	
12	331	CAMPHOR	76-22-2 / 464-49-3 21368-68-3	-	
12	551		/ 464-48-2		
13	332	BETA-CARYOPHYLLENE	87-44-5	-	
14	333	CARVONE	99-49-0 / 6485-40-1 / 2244-16-	-	
14	333		8		
15	76	CINNAMAL	104-55-2	-	
16	69	CINNAMYL ALCOHOL	104-54-1	-	
17	70	CITRAL	5392-40-5	-	
18	86	CITRONELLOL	106-22-9 / 1117-61-9 / 7540-	-	
10			51-4		
19	77	COUMARIN	91-64-5	-	
		DAMASCENONE	23696-85-7	-	
		ALPHA-DAMASCONE (CIS & TRANS)	43052-87-5 / 23726-94-5	-	
20	157		24720-09-0		
20	13/	CIS-BETA-DAMASCONE	23726-92-3	-	
		DELTA-DAMASCONE (CIS & TRANS)	57378-68-4 / 71048-82-3	-	
		TRANS-BETA-DAMASCONE	23726-91-2	-	

		I		T
21	334	DIMETHYL BENZYL CARBINYL	151-05-3	-
		ACETATE		
22	71	EUGENOL	97-53-0	-
23	368	EUGENYL ACETATE	93-28-7	-
24	82	FARNESOL	4602-84-0	-
25	78	GERANIOL	106-24-1	-
26	369	GERANYL ACETATE	105-87-3	-
27	335	HEXADECANOLACTONE	109-29-5	-
28	336	HEXAMETHYLINDANOPYRAN	1222-05-5	-
		(GALAXOLIDE)	1222 00 0	
29	87	HEXYL CINNAMAL	101-86-0	-
30	72	HYDROXYCITRONELLAL	107-75-5	-
31	<i>73</i>	ISOEUGENOL (CIS & TRANS)	97-54-1 / 5932-68-3 5912-86-7	-
32	370	ISOEUGENYL ACETATE	93-29-8	-
33	90	ALPHA -ISOMETHYLIONONE	127-51-5	-
34	88	(DL)-LIMONENE	5989-27-5	-
35	84	LINALOOL	78-70-6	-
36	337	LINALYL ACETATE	115-95-7	-
27	338	MENTHOLS	1490-04-6 / 89-78-1 /	-
37			2216-51-5 / 15356-60-2	
38	46	6-METHYL COUMARIN	92-48-8	-
39	89	METHYL 2-OCTYNOATE	111-12-6	-
40	324	METHYL SALICYLATE	119-36-8	-
41	339	3-METHYL-5-(2,2,3-TRIMETHYL-3-	67801-20-1	-
71		CYCLOPENTYL) PENT-4-EN-2-OL	07001-20-1	
42	371	ALPHA-PINENE	80-56-8	-
72	371	BETA-PINENE	127-91-3	-
43	175	PROPYLIDENE PHTALIDE	17369-59-4	-
44	340	SALICYLALDEHYDE	90-02-8	-
45	241	ALPHA-SANTANOL	115-71-9	-
45	341	BETA-SANTANOL	77-42-9	-
46	342	SCLAREOL	515-03-7	-
47	343	TERPINEOL (MIXTURE OF ISOMERS)	8000-41-7 / 98-55-5	-
47			138-87-4 / 586-81-2	
48	131	ALPHA-TERPINENE	99-86-5	-
49	133	TERPINOLENE	586-62-9	-
	344	TETRAMETHYL	EAA6A E7 2 / EAA6A E0 A	-
50		ACETYLOOCTAHYDRONAPHTHALEN	54464-57-2 / 54464-59-4 68155-66-8 / 68155-67-9	
		ES	00133-00-0 / 00133-07-9	

51	345	TRIMETHYL-BENZENEPROPANOL	103694-68-4	-
<u> </u>		(MAJANTOL)	AJANTOL)	
52	346	VANILLIN	121-33-5	-
53	347	CANANGA ODORATA (YLANG-	83863-30-3 / 8006-81-3	-
33		YLANG OIL)	63603-30-3 / 6000-61-3	
54	122	CEDRUS ATLANTICA BARK OIL	92201-55-3 / 8000-27-9	-
55	348	CINNAMOMUM CASSIA LEAF OIL	8007-80-5 / 84961-46-6	-
<b></b>	349	CINNAMOMUM ZEYLANICUM	0015 01 6 / 04640 00 0	-
56		BARK OIL	8015-91-6 / 84649-98-9	
		CITRUS AURANTIUM AMARA	72060 50 4	-
<b>-</b> 7	350	FLOWER OIL	72968-50-4	
57	350	CITRUS AURANTIUM DULCIS	8028-48-6 / 8016-38-4	-
		FLOWER OIL (SINENSIS)	8028-48-0 / 8010-38-4	
		CITRUS AUTANTIUM AMARA PEEL	68916-04-1	-
58	351	OIL	72968-50-4	
36	331	CITRUS AUTANTIUM DULCIS PEEL	97766-30-8	-
		OIL (SINENSIS)	8028-48-6 / 8008-57-9	
59	352	CITRUS BERGAMIA PEEL OIL	68648-33-9 / 89957-91-5	-
39	332		92704-01-3	
60	353	CITRUS LIMONUM PEEL OIL	84929-31-7 / 8008-56-8	-
<i>C</i> 1	354	CYMBOPOGON CITRATUS,	91844-92-7 / 8007-02-1 89998-	-
61		SCHOENANTHUS OILS	16-3	
62	355	EUCALYPTUS SPP. LEAF OIL	92502-70-0 / 8000-48-4	-
	356	EUGENIA CARYOPHYLLUS	8000-34-8 / 8015-97-2 84961-	-
63			50-2	
C 4	92	EVERNIA FURDURACEA	00030 67 4	-
64		(TREEMOSS) EXTRACT	90028-67-4	
CE	91	EVERNIA PRUNASTRI (OAKMOSS)	00030 C0 F	-
65		EXTRACT	90028-68-5	
	357	JASMINUM GRANDIFLORUM /	84776-64-7 / 90045-94-6 8022-	-
66		OFFICINALE	96-6 / 8024-43-9	
67	358	JUNIPERUS VIRGINIANA	8000-27-9 / 85085-41-2	-
<b>CO</b>	359	LAURUS NOBILIS	8002-41-3 / 8007-48-5 / 84603-	-
68			73-6	
		LAVANDULA HYBRIDA	91722-69-9	-
69	360	LAVANDULA INTERMEDIA	04776 65 0	-
		(ANGUSTIFOLIA)	84776-65-8	
70	361	MENTHA PIPERITA	8006-90-4 / 84082-70-2	-
71	362	MENTHA SPICATA	8008-79-5 / 84696-51-5	-
		1	<u> </u>	<u>l</u>

72	154	MYROXYLON PEREIRAE	8007-00-9	-
73	363	NARCISSU SPP.	Diverse	-
74	364	PELARGONIUM GRAVEOLENS	90082-51-2 / 8000-46-2	-
75	109	PINUS MUGO	90082-72-7	-
76	114	PINUS PUMILA	97676-05-6	-
77	365	POGOSTEMON CABLIN	8014-09-3 / 84238-39-1	-
78	366	ROSA SPP. (ROSE)	Diverse	-
79	367	SANTALUM ALBUM	84787-70-2 / 8006-87-9	-
80	124	TURPENTINE OIL	8006-64-2 / 9005-90-7 / 8052-	-
30	124		14-0	
81	196	VERBENA ABSOLUTE	8024-12-2	-

<sup>&</sup>quot;-" mean 0,000 %.

#### **FOOD ALLERGENS**

Annex Illa		PRESENT IN	CONTAMINATION	FACTORY
Reference:		PRODUCT:	PRESENCE:	PRESENCE:
1	CEREALS (CONTAINING GLUTEN)	NO	NO	YES
2	CRUSTACEANS	NO	NO	NO
3	EGGS	NO	NO	NO
4	FISH	NO	NO	NO
5	PEANUTS	NO	NO	YES
6	SOYA	NO	NO	YES
7	MILK	NO	NO	YES
8	NUTS	NO	NO	YES
9	CELERY & CELERIAC	NO	NO	YES
10	MUSTARD	NO	NO	YES
11	SESAME	NO	NO	YES
12	SULPHUR DIOXIDE & SULPHITES	NO	NO	NO
13	LUPIN	NO	NO	NO
14	MOLLUSC	NO	NO	NO



### MANUFACTURING FLOW & INCI STATEMENT

PRODUCT NAME: VITAMIN E (TOCOPHEROL 70%)

#### **INCI STATEMENT**

MADAR CORPORATION LIMITED can hereby confirm the following composition breakdown & manufacturing process flow.

INCI Name	% Inclusion	CAS Number
Tocopherol	100	59-02-9

#### MANUFACTURING FLOW



10/06/2024

#### **GMO STATEMENT**

We hereby state and certify that the Vitamin E Natural sold by us is not derived/ produced from a raw material that has been genetically modified.



### **Material Safety Data Sheet**

EU Regulation: 2020/878

SECTION 1: Identification of the substance/mixture and of the company/undertaking						
1.1 Product Identification						
Product Name	VITAMIN E (TOCOPHE	VITAMIN E (TOCOPHEROL 70%)				
Biological Definition	-					
INCI Name	TOCOPHEROL					
Synonyms & Trade Names	VITAMIN E					
Internal Product Code						
CAS-No	59-02-9	EC No.	200-412-2	EINECS No.	200-412-2	
1.2 Details of the supplier of the safety dat	1.2 Details of the supplier of the safety data sheet					
Company Address	Madar Corporation Limited 19 - 20 Sandleheath Industrial Estate, Fordingbridge, SP6 1PA					
Email	technical@madarcorporation.co.uk					
1.3 Details of the supplier of the safety data sheet						
Emergency Contacts	01425 655 555					



SECTION 2: Hazards Identification	
2.1 Classification of the substance or mixture	
Classification (67/548/EEC)	This product is not dangerous according to REACH Regulation 2020/878.
Classification (EU1272/2008)	This product does not belong to any list of substances supposedly hazardous to human or animal health according to EU Regulation 1272/2008 & any further amendments, nor to those having recognized exposition limits. Care should be taken when handling hot oil as it may constitute a burn hazard. Spills can constitute a slippage hazard.
2.2 Label Elements	Label in accordance with Regulation (EC) No 1272/2008.
GHS Label	None.
Signal Word	None.
Contains	None.
Hazards Statement None.	
Signal Word None.	
Precautionary Statements	None.
Supplementary Precautionary Statements	None.
	Section 16 (Other Information): Risk & Safety phrases in full.
2.3 Other Hazards	
Adverse physio-chemical properties	None.
Adverse effects on human health	None.
SECTION 3: Composition of Ingredien	ts
3.1 Substances	Not Applicable.
3.2 Mixtures	Not Applicable.

SECTION 4: First Aid Measures	
<b>4.</b> 1	
Description of First Aid Measures	
General Information	Always remove contaminated clothing immediately.
Inhalation	Not expected for this particular product, however always best avoiding proactive inhalation.

No instruction as this is a non-toxic product.
No instruction as this is a non-toxic product.
Wash immediately & thoroughly with clean tap water.
None.
Not Applicable.
Foam, Co2, Dry Chemical Powder.
This product may only form ignitable mixtures or burn above the flash point. Dangerous combustion products include smoke & oxides of carbon.
Standard. Wear self-contained breathing apparatus in confined spaces.
es
None Required.
None Required.
Spills can be absorbed by cloth or sawdust, washed away with water & cleaned with sodic products.
Refer & consider section 8.
Refer & consider section 13.
Refer & consider section 13.  Handle in accordance with good hygiene and safety practice. Keep containers sealed when not in use. Preve spills & leaks to avoid slip hazard. Always wear personal protective clothing (refer to section 8). Do not eat,
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SECTION 9: Physical & Chemical Properties	
9.1 Physical & Chemical Properties	
Appearance	Viscous liquid
Colour	LIGHT BROWN — RED
Odour	Odourless
Relative Density	NO DATA
Refractive Index	NO DATA
Flash Point (°C)	>280°C.
Melting Point (°C)	NOT APPLICABLE.
Boiling Point (°C)	>100°C.
Vapour Pressure	NO DATA.
Solubility in Water @ 20°C	INSOLUBLE.
9.2 Other Information	No Data.
9.2.1 Information with regard to physical hazard classes	NONE.
9.2.2 Other safety characteristics	NONE.
SECTION 10: Stability & Reactivity	
10.1 Reactivity	Not Applicable.
10.2 Chemical stability	Stable under suggested storage conditions (<20°C).
10.3 Possibility of hazardous reactions	No.
10.4 Conditions to avoid	Storage at high temperatures. Do not store above 20°C.
10.5 Incompatible materials	Concentrated acids, alkalis & oxidising agents.
10.6 Hazardous decomposition products	This product does not decompose under normal conditions. Under fire conditions the product will produce a mixture of irritating fumes & smoke.

SECTION 11: Toxicological Information	
11.1 Toxicological effects	
Acute Toxicity	A non-toxic product. For pharmaceutical & cosmetic use only. This product does not carry a microbiological specification as it is sterilised in the refining process. It does not contain any impurities. This product is not included in the list of substances prohibited in cosmetic products or subject to restrictions. It does not contain colorants, preservatives or UV filters (Annex II – VI of EU regulation 1223/2009).
Skin irritation	Not Applicable.
Eye damage or irritation	Not Applicable.

Respiratory or skin sensitivity	Not Applicable.
Germ cell mutagenicity	Not Applicable.
Carcinogenicity	Not Applicable.
Reproductive toxicity	Not Applicable.
STOT – single exposure	Not Applicable.
STOT – repeated exposure	Not Applicable.
Aspiration hazard	Not Applicable.
11.2	Not Applicable.
Information on other hazards	Not Applicable.
SECTION 12: Ecological Information	
12.1	Low - None.
Toxicity 12.2	Low - None.
Persistence & degradability	>90% (OECD)
12.3	
Bio- accumulative potential	None.
12.4 Mobility in soil	Low – None.
12.5	
Results of PBT & VPVB assessment	Not Available.
12.6 Endocrine disrupting propertis	None.
12.7	
Other adverse effects	None.
SECTION 13: Disposal Information	
13.1 Waste treatment methods	Always recover spilled product. Discard waste material with authorized waste management services. Act in accordance with local & national waste regulations.

SECTION 14: Transport Information	
14.1 Transport Information	
Warning icon	Road (ADR), Rail (RID), Sea (IMDG) and Air (ICAO), transport not restricted in drums or food tankers.
Shipping Name	Not Applicable.
UN Number (Road)	Not Applicable.
ADR Class	Not Applicable.
Hazard Number (ADR)	Not Applicable.
Hazchem Code	Not Applicable.
UN Number (Seα)	Not Applicable.
IMDG Class	Not Applicable.
IMDG Pack GR.	Not Applicable.
EMS	Not Applicable.
UN Number (Air)	Not Applicable.
Air Class	Not Applicable.

Air Pack GR.	Not Applicable.
Maritime transport in bulk according to IMO instruments	Not Applicable.
SECTION 15: Regulatory Information	
15.1	
Product specific safety, health & environmental regulations & legislation	
EU Directives	Regulation (EC) No 2020/878 of the European Parliament and of the council of 18th
	December 2006. Concerning the registration, evaluation, authorization & restriction of
	chemicals (REACH), establishing a European Chemicals Agency, amending Directive
	199/45/EC and repealing council regulation (EEC) No793/93 & commission regulation
	(EC) No1488/94 as well as council directive 76/769/EEC & commission directive
	91/155/ECC, 93/67/ECC, 93/105/EEC & 2000/21/EC (including amendments).
Statutory Instruments	The Chemicals (Hazard Information & Packaging for Supply Regulations 2009 (S.I.2009
Sidiotory instruments	No 716).
Approved Code of Practice	Classification & labelling of substances & preparations dangerous for supply. Safety data
Approved code of Fidelice	sheets for substances & preparations.
Guidance Notes	Workplace exposure limits EH40. CHIP for everyone HSG 108.
15.2	Assessment has not been carried out as this is a non-hazardous material according to
Chemical Safety Assessment	article 31 of REACH 1907/2006.

SECTION 16: Other Information	
Allergens:	None.
Training Instructions: Refer to possible hazard before use of this product.	
Abbreviations & Acronyms:	
MSDS	Material Safety Data Sheet.
INCI	International Nomenclature of Cosmetic Ingredients.
CAS	Chemical Abstract Service.
IMDG	International Maritime code for Dangerous Goods.
ADR	Accord European sur le transport des merchandises Dangereuses par Route (European
Aur	Agreement concerning the international Carriage of Dangerous goods by Road).
RID	International Carriage of Dangerous Goods by Rail.
ICAO	International Civil Aviation Organization.
ADN	International Carriage of Dangerous Goods by Inland Waterways.
GHS	Globally Harmonized System of classification & labelling of chemicals.
Trem Card	Transport Emergency Card.
STOT	Specific Target Organ Toxicity.



Documentation Revision	
Date	Change Description
10th April 2018	Data Launch
January 2021	Review
December 2022	Review
June 2023	Review



### **SPECIFICATION SHEET**

PRODUCT NAME: VITAMIN E (TOCOPHEROL 70%)

PRODUCT INCI: TOCOPHEROL

CAS NUMBER: 59-02-9 EINECS NUMBER: 200-412-2 SHELF LIFE: 36 MONTHS

ANALYTICAL DETAILS	Range %
Appearance	Viscous liquid
Odour	CHARACTERISTIC
COLOUR	clear yellow- brown — Red
TOTAL TOCOPHEROLS (%)	≥70.0
Non-alpha Tocopherols (%)	≥ 56.0
D-ALPHA TOCOPHEROLS (%)	6.0 – 14.0
D-(BETA+GAMMA+DELTA) TOCOPHEROLS (%)	≥ 80.0
d-(beta+gamma) Tocopherols (%)	38.0 – 50.0
D-delta Tocopherols (%)	13.0 – 25.0
ACIDITY (ML)	≤ 1.0
Total Plate Count (CFU/G)	≤ 100.0
YEAST & MOULDS (CFU/G)	≤ 25.0
COLIFORMS (MPN/G)	≤ 10.0
Salmonella	ABSENT/25G
E. COLI	ABSENT/10G
STAPHYLOCOCCUS AUREUS,	ABSENT/10G
Pseudomonas aeruginosa	ABSENT/10G
Enterobacteriaceae	ABSENT/25G
HEAVY METAL (PPM)	≤ 5.0
ARSENIC (PPM)	≤ 0.2
LEAD (PPM)	≤ 0.5
MERCURY (PPM)	≤ 0.1
CADMIUM (PPM)	≤ 0.2

DATE	VERSION	REASON FOR UPDATE
04/09/2023	3.0	Changes in
		D-DELTA TOCOPHEROLS
		(%)
		D-ALPHA TOCOPHEROLS (%)
		TOTAL PLATE COUNT (CFU/G)
		YEAST & MOULDS (CFU/G)
		REMOVED
		D-BETA TOCOPHEROLS (%)
		D-GAMMA TOCOPHEROLS (%)

	Added
	D-(BETA+GAMMA)
	TOCOPHEROLS (%)
	D-(BETA+GAMMA+DELTA)
	TOCOPHEROLS (%)



### **Vegetarian & Vegan Suitability Statement**

PRODUCT NAME: Vitamin E Natural

MADAR Corporation Limited can confirm that the above listed product does not contain dairy or any other animal product, by product or derivative and is therefore suitable for vegetarian and vegan use.

10/06/2024