

SAFETY DATA SHEET (SDS)

Version 2.0

Revision Date : April 22,2022

Print Date : March 18, 2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Lavender Essential Oil (Bulgaria) - Verified by ECOCERT /Cosmos Approved
Botanical name	:	Lavandula angustifolia
INCI name	:	Lavandula Angustifolia Oil
CAS #	:	8000-28-0 / 90063-37-9
Country of Oigin	:	Bulgaria
EINECS #	:	- / 289-995-2
Product use	:	Domestic and Industrial

2. HAZARDS IDENTIFICATION

Emergency Overview

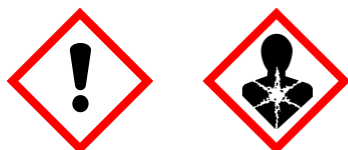
GHS Classification

Skin Irritation - Category 2

Aspiration hazard Toxicity - Category 1

Hazardous to the aquatic environment - Chronic - Category 3

GHS Label elements, including precautionary statements



Signal: Danger

Hazard statement(s)

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H412	Harmful to aquatic life with long-lasting effects.

Precautionary statement(s)

P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P361+P364	Take off immediately all contaminated clothing and wash it before reuse.
P402+P404	Store in a dry place. Store in a closed container.
P501	Dispose of in accordance with local, provincial and federal regulations. Check with disposal expert to ensure compliance.

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Lavandula Angustifolia Oil	8000-28-0 / 90063-37-9	- / 289-995-2	100 %

4. FIRST AID MEASURES

Eye contact

Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

Skin contact

Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

Inhalation

Remove from exposure site to fresh air. Keep at rest. Obtain medical attention, if necessary.

Ingestion

Administer water or milk to dilute. Seek medical advice immediately.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Foam. Dry Powder. Carbon dioxide.

Unsuitable extinguishing media

Do not use direct water jet on burning material.

Special protective equipment and precautions for fire-fighters

Wear protective clothing in order to prevent contact with skin and eyes.

Special hazards arising from the substance or its combustible products

Emits toxic fumes under fire conditions.

Resulting gases

Carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

Avoid contact with spillage. Remove ignition sources. Keep well-ventilated.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and materials for containment and cleaning up

Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin. Wear protective clothing, eye protection and suitable resistant gloves.
Do not smoke in the area where the product is stored and used. Do not heat with a naked flame. Do not expose vapors to a flame or any other ignition source.
Maintain adequate ventilation in the area where the product is handled and stored.

Conditions for safe storage, including any incompatibilities

Store in tight full containers in a cool dry place away from light. Keep air contact to a minimum. Keep in glass, suitable plastic, aluminum or laquer-lined containers.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes

Use tightly sealed goggles.

Skin

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

Respiratory

Do not inhale vapors. No special protection required in well-ventilated areas. In case of insufficient ventilation, wear suitable respiratory equipment.

Ingestion

Not for ingestion.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Clear to pale yellow clear liquid.
Odor	:	Characteristic odor.
Flash point	:	78°C
Relative density	:	0.870 - 0.890 @ 20°C
Solubility (ies)	:	Soluble in alcohol and oils. Insoluble in water.
Refractive index	:	1.4590 - 1.4630 @ 20°C
Optical rotation	:	-6° to -11° @ 20°C

10. STABILITY AND REACTIVITY

Reactivity

This material presents no significant reactivity hazard.

Chemical stability

Chemically stable.

Conditions to avoid

Avoid sparks, flame and other heat sources.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Carbon Oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD₅₀ Oral (Rat) - 2000 mg/kg

LD₅₀ Dermal (Rabbit) - 2000 mg/kg
LC₅₀ Inhalative - none established

Carcinogenicity

None established.

Skin contact

Product may be irritating and may cause allergic reaction in sensitive individuals.

Eye contact

Product may be irritating to the eyes.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects environment. Avoid any pollution of ground, surface or underground water.

Persistence and degradability

Not available.

Bio - accumulative potential

Not available.

Mobility in soil

Not available.

Other adverse effects

Not available.

13. DISPOSAL CONSIDERATION

Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

14. TRANSPORT INFORMATION

US DOT Shipping Description (Land)

Not regulated.

IMO-IMDG Shipping Description (Sea)

Not regulated.

IATA Shipping Description (Air)

Not regulated.

15. REGULATORY INFORMATION

California Proposition 65

This Product can expose you to beta myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

GHS Hazard Statements

Please refer to section 2.

GHS Precautionary Statements

Please refer to section 2.

16. OTHER INFORMATION

Revision date : April 22,2022

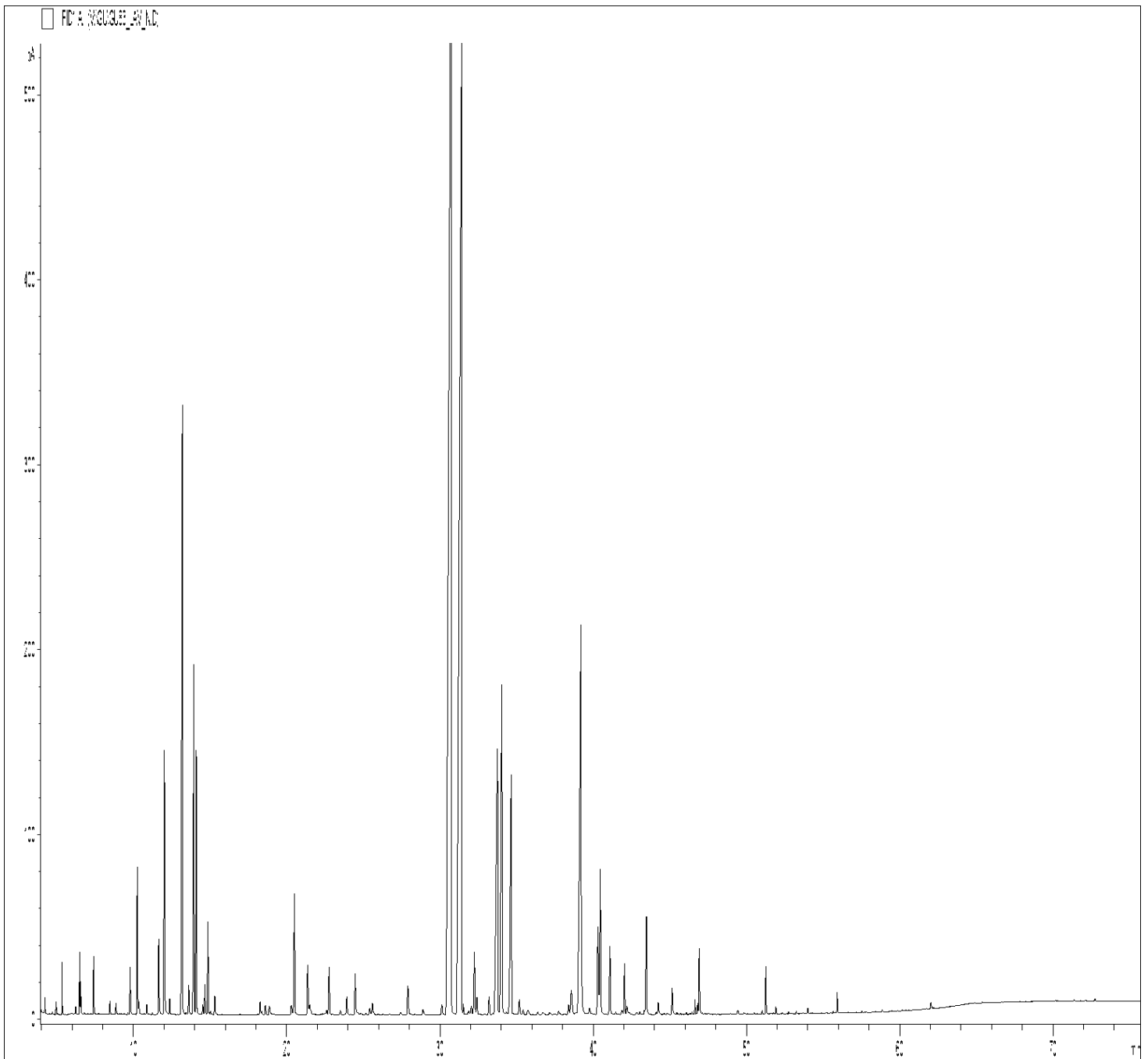
CERTIFICATE OF ANALYSIS

Product : Lavender Essential Oil (Bulgaria) - Verified by ECOCERT / Cosmos Approved
Lot No : 11168A11122
Best Before : August, 2027

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance	: Clear to pale yellow clear liquid.	Complies
Odor	: Characteristic odor.	Complies
Solubility	: Soluble in alcohols and oils. Insoluble in water.	Complies
Specific Gravity	: 0.870 to 0.890 @ 20°C	0.879
Refractive Index	: 1.4510 to 1.4700 @ 20°C	1.4612
Linalool	: 25 - 40 %	34.89
Linalyl Acetate	: 20-40%	26.79
Camphor	: 0 - 0.5%	0.20

GCMS ANALYSIS

PRODUCT NAME: LAVENDER ESSENTIAL OIL (BULGARIA) - VERIFIED BY ECOCERT/COSMOS APPROVED – 11168
DATE: March 9, 2022



Due to volume turnover, this report is not lot specific, It is representative of the quality of this oil produced by the manufacturer of this product, Specific lots may vary slightly as is the case in natural products,

GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL (BULGARIA) - VERIFIED BY ECOCERT/COSMOS APPROVED – 11168

Peak	RT (min)	Compound name	%
1	4,93	2-METHYLBUTANAL	0,02
2	4,96	ISOVALERALDEHYDE	0,06
3	5,34	HEXANE, 1-METHOXY-	0,20
4	6,22	TRICYCLENE	0,04
5	6,49	alpha-PINENE	0,29
6	6,55	alpha-THUYENE	0,17
7	7,40	CAMPHENE	0,32
8	8,46	beta-PINENE	0,08
9	8,86	SABINENE	0,07
10	9,78	delta3-CARENE	0,32
11	10,25	beta-MYRCENE	0,88
12	10,35	alpha-PHELLANDRENE	0,11
13	10,86	alpha-TERPINENE	0,07
14	11,22	2,3-DEHYDRO-1,8-CINEOLE	0,01
15	11,65	LIMONENE	0,59
16	12,01	1,8-CINEOLE	2,03
17		beta-PHELLANDRENE	
18	12,36	BUTYL BUTYRATE	0,11
19	13,19	cis-beta-OCIMENE	5,17
20	13,44	trans-ARBUSCULON	0,02
21	13,61	gamma-TERPINENE	0,24
22	13,94	trans-beta-OCIMENE	2,63
23	14,10	3-OCTANONE	1,82
24	14,52	m-CYMENE	0,07
25	14,65	p-CYMENE	0,23
26	14,86	HEXYL ACETATE	0,63
27	15,03	ISOTERPINOLENE	0,03
28	15,31	TERPINOLENE	0,15
29	18,26	3-OCTANOL ACETATE	0,11
30	18,36	HEXYL PROPIONATE	0,03

GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL (BULGARIA) - VERIFIED BY ECOCERT/COSMOS APPROVED – 11168

Peak	RT (min)	Compound name	%
31	18,61	HEXYL METHYLPROPIONATE	0,08
32	18,86	1-HEXANOL	0,12
33	20,30	ALLO-OCIMENE	0,10
34	20,45	3-HEXEN-1-OL	0,02
35	20,50	1-OCTEN-3-YL ACETATE	0,99
36	21,37	3-OCTANOL	0,47
37	21,50	GALBANOLENE	0,10
38	22,50	PERILLENE	0,02
39	22,60	BUTYL CAPROATE	0,05
40	22,77	HEXYL BUTYRATE	0,44
41	23,45	alpha-p-DIMETHYLSTYRENE	0,01
42	23,50	HEXYL 2-METHYLBUTYRATE	0,03
43	23,92	LINALOOL cis-OXIDE	0,17
44	24,46	1-OCTEN-3-OL	0,42
45	24,81	ALIPHATIC ESTER	0,02
46	25,42	trans-THUYANOL	0,07
47	25,59	LINALOOL trans-OXIDE	0,11
48	25,65	ALIPHATIC ESTER	0,03
49	27,43	alpha-COPAENE	0,03
50	27,90	CAMPHOR	0,33
51	28,89	beta-BOURBONENE	0,07
52	30,12	BERGAMOTENE ISOMER	0,12
53	30,73	LINALOOL	29,72
54	31,41	LINALYL ACETATE	23,03
55	31,52	BERGAMOTENE ISOMER	0,09
56	31,88	SESQUITERPENE	0,07
57	32,05	alpha-cis-BERGAMOTENE	0,10
58	32,24	alpha-SANTALENE	0,64
59	32,40	BORNYL ACETATE	0,18
60	32,91	SESQUITERPENE	0,02

GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL (BULGARIA) - VERIFIED BY ECOCERT/COSMOS APPROVED – 11168

Peak	RT (min)	Compound name	%
61	33,20	alpha-trans-BERGAMOTENE	0,18
62	33,75	beta-CARYOPHYLLENE	4,37
63	34,03	TERPINENE-4-OL	4,01
64	34,32	TERPENIC COMPOUND	0,04
65	34,65	LAVANDULYL ACETATE	3,11
66	35,18	HEXYL CAPROATE	0,17
67	35,42	cis-p-MENTH-2-EN-1-OL	0,07
68	35,72	HEXYL TIGLATE	0,09
69	36,37	epi-beta-SANTALENE	0,04
70	36,72	GERMACRENE A	0,04
71	37,15	trans-PINOCARVEOL	0,02
72	37,18	FARNESENE ISOMER	0,02
73	37,44	FARNESENE ISOMER	0,02
74	37,74	FARNESENE ISOMER	0,05
75	38,40	alpha-HUMULENE	0,11
76	38,57	CRYPTONE	0,20
77	38,58	FARNESENE ISOMER	0,19
78	38,90	delta-TERPINEOL	0,04
79	39,19	E-beta-FARNESENE	5,90
80	39,24	LAVANDULOL	0,35
81	39,76	Z-beta-FARNESENE	0,12
82	40,31	BORNEOL	0,92
83	40,46	alpha-TERPINEOL	1,36
84	41,09	GERMACRENE D	0,66
85	41,47	PELLANDRAL	0,03
86	41,85	CARVONE	0,03
87	41,89	MENTHADIENOL ISOMER	0,04
88	42,04	NERYL ACETATE	0,40
89	42,19	beta-BISABOLENE	0,11
90	42,33	PYRANIC LINALOOL cis-OXIDE	0,04

GCMS ANALYSIS (cont'd.)

PRODUCT NAME: LAVENDER ESSENTIAL OIL (BULGARIA) - VERIFIED BY ECOCERT/COSMOS APPROVED –
11168

Peak	RT (min)	Compound name	%
91	42,83	SESQUITERPENE	0,04
92	43,03	SESQUITERPENE	0,03
93	43,33	Z,E-alpha-FARNESENE	0,03
94	43,42	gamma-CADINENE	0,31
95	43,47	GERANYL ACETATE	0,62
96	43,53	PYRANIC LINALOOL trans-OXIDE	0,03
97	44,11	beta-SESQUIPELLANDRENE	0,03
98	44,24	CUMINAL	0,14
99	44,63	p-MENTHA-1,3-DIEN-7-AL	0,02
100	44,83	alpha-AMORPHENE	0,02
101	45,15	NEROL	0,24
102	45,45	cis-EPOXYLINALYL ACETATE	0,02
103	45,68	trans-EPOXYLINALYL ACETATE	0,01
104	46,08	3,5,7-OCTATRIENE-2-OL, E,E-2,6-DIMETHYL-	0,01
105	46,31	CALAMENENE	0,01
106	46,44	trans-CARVEOL	0,03
107	46,64	m-CYMENE-8-OL	0,09
108	46,82	p-CYMENE-8-OL	0,07
109	46,91	GERANIOL	0,52
110	47,11	BUTYL BENZOATE	0,02
111	47,52	PHENYLMETHYL BUTYRATE	0,02
112	49,41	PIPERITENONE	0,02
113	49,45	HUMULENE EPOXIDE	0,03
114	49,82	3,7-OCTADIENE-2,6-DIOL, 2,6-DIMETHYL	0,01
115	49,91	DENDROLASIN	0,01
116	51,02	ISOCARYOPHYLLENE EPOXIDE	0,03
117	51,26	CARYOPHYLLENE EPOXIDE	0,32
118	51,91	alpha-PHOTOSANTALOL A	0,05
119	52,75	NEROLIDOL	0,01
120	53,25	CUBENOL	0,02

GCMS ANALYSIS (cont'd.)

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Peak	RT (min)	Compound name	%
121	53,99	CUMINOL	0,05
122	55,92	T-CADINOL	0,13
123	57,52	GERANYL-alpha-TERPINENE	0,01
124	58,85	AROMATIC COMPOUND	0,02
125	62,02	COUMARIN	0,07
126	72,74	AROMATIC COMPOUND	0,02
		TOTAL	99,95

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