



CERTIFICATE OF ANALYSIS

COA*



Czech: Smil Bracteiferum esenciální olej

Latin: Helichrysum bracteiferum

Batch number: AX2024/02



CTEO

★★★★★
QUALITY
GUARANTEED

We have developed our own set of standards and protocols CTEO® – **CERTIFIED THERAPEUTIC ESSENTIAL OILS** to monitor, check and evaluate the quality of our essential oils. Our goal is to consistently offer our customers essential oils in the best and most beneficial quality.

Certificate of analysis disclaimer

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General information

Batch number	AX2024/02
English	
Czech	Smil Bracteiferum esenciální olej
Latin	Helichrysum bracteiferum
Country of origin	Madagascar
Part of a plant	Aerial parts
Method of acquisition	Steam distilled
Color	Greenish yellow to green
Odor	Fresh, aromatic, spicy
cas number	--
Main components	1,8-cineole (Eucalyptol)
Refractometric index	1,485–1,491
Flash point (°C)	60
Optical rotation	-30° to 5°



General information

Components

COMPOUND	RELATIVE CONTENT (%)
1,8-cineole (Eucalyptol)	26,8
Tetramethyl-cycloundecatriene	12,6
β -caryophyllene	8,9
Bicyclogermacrene	5,5
β -pinene	7,6
α -pinene	3,1
β -copaene	2,6
D-limonene	2,5
Terpinen-4-ol	2,3
β -phellandrene	1,9
γ -muurolene	1,8
δ -cadinene	1,7
Aromadendrene	1,7
ortho- cymene	1,4
α -terpineol	1,2
γ -terpinene	1,1
β -copaene	1,0
Linalool	0,9
β -elemene	0,9
Spathulenol	0,8
Copaene	0,7
4-carene	0,6



α -thujene	0,4
Ylangene	0,4
Selina-5,11-diene	0,4
Caryophyllene oxide	0,4
α -cubebene	0,3
2-carene	0,3
δ -terpineol	0,2



List of cosmetic allergens

Allergen INCI name	CAS number	%
Amyl cinnamal	122-40-7	--
Amylcinnamyl alcohol	101-85-9	--
Benzyl alcohol	100-512-6	--
Benzyl salicylate	118-58-1	--
Cinnamyl alcohol	104-54-1	--
Cinnamal	104-55-2	--
Citral	5392-40-5	--
Coumarin	91-64-5	--
Eugenol	97-53-0	--
Geraniol	106-24-1	--
Hydroxycitronellal	07-75-5	--
Hydroxymethylpentyl-cyclohexenecarboxaldehyde	31906-04-4	--
Isoeugenol	97-54-1	--
Anisyl alcohol	105-13-5	--
Benzyl benzoate	120-51-4	--
Benzyl cinnamate	103-41-3	--
Citronellol	106-22-9	--
Farnesol	4602-84-0	--
Hexyl cinnamaldehyde	101-86-0	--
D-limonene	5989-27-5	2,5
Linalool	78-70-6	0,9
Methyl heptine carbonate	111-12-6	--
3-Methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	127-51-5	--
Oak moss	90028-68-5	--
Tree moss	90028-67-4	--



Independent tests and studies

Panja A.R. Ramanoelina , Jean-P. Bianchini & Emile M. Gaydou (1992) Chemical Composition of Essential Oil of Helichrysum bracteiferum , Journal of Essential Oil Research, 4:5, 531–532, DOI: 10.1080/104129-05.1992.9698125



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