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GC/MS & COA

Holy Basil – 190625999

April 07, 2021

ANALYSIS

Type: Essential oil

Source : Ocimum sanctum

Analysis date: April 7, 2021

Physical aspect: Light yellow liquid

CONCLUSION

No adulterant, contaminant or diluent has been detected using this method.

Refractive Index at 20°C : 1.5211

ANALYSIS SUMMARY – CONSOLIDATED CONTENTS

New readers of similar reports are encouraged to read table footnotes at least once.

Identification	%	Class
Isovaleral	0.01	Aliphatic aldehyde
2-Methylbutyral	tr	Aliphatic aldehyde
(3Z)-Hexenol	0.01	Aliphatic alcohol
<i>trans</i> -2,5-Diethyltetrahydrofuran	0.04	Furan
Tricyclene	0.01	Monoterpene
α -Thujene	tr	Monoterpene
α -Pinene	0.29	Monoterpene
Camphene	0.26	Monoterpene
Benzaldehyde	0.01	Simple phenolic
β -Pinene	0.16	Monoterpene
Sabinene	0.03	Monoterpene
Myrcene	0.03	Monoterpene
Octan-3-ol	0.02	Aliphatic alcohol
Octanal	0.01	Aliphatic aldehyde
α -Terpinene	0.01	Monoterpene
para-Cymene	0.02	Monoterpene
Limonene	0.12	Monoterpene
1,8-Cineole	0.22	Monoterpenic ether
(Z)- β -Ocimene	0.03	Monoterpene
(E)- β -Ocimene	0.51	Monoterpene
γ -Terpinene	0.01	Monoterpene
Octanol	0.02	Aliphatic alcohol
Terpinolene	0.03	Monoterpene
Linalool	0.17	Monoterpenic alcohol

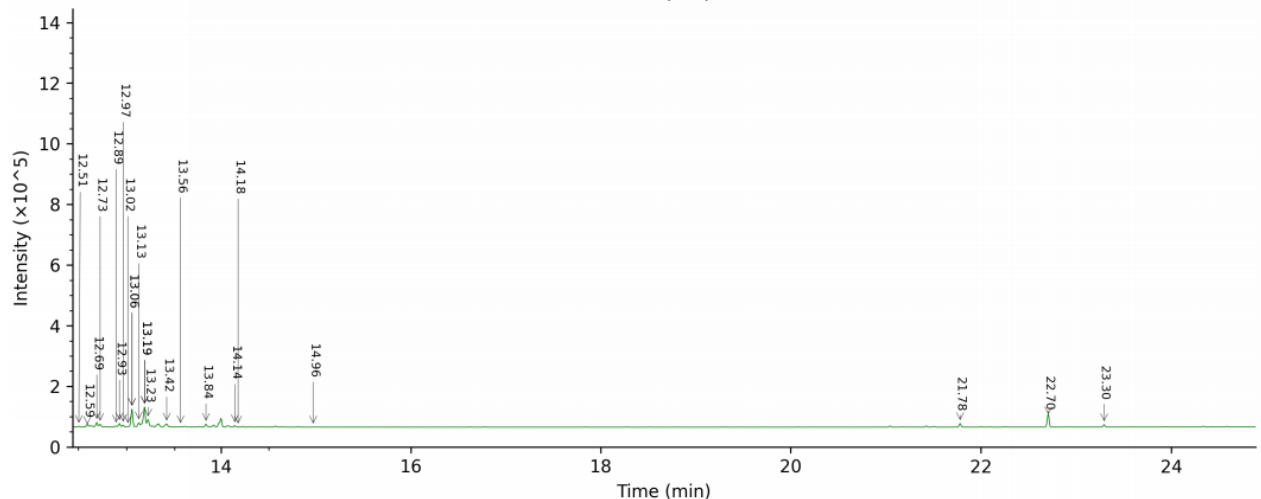
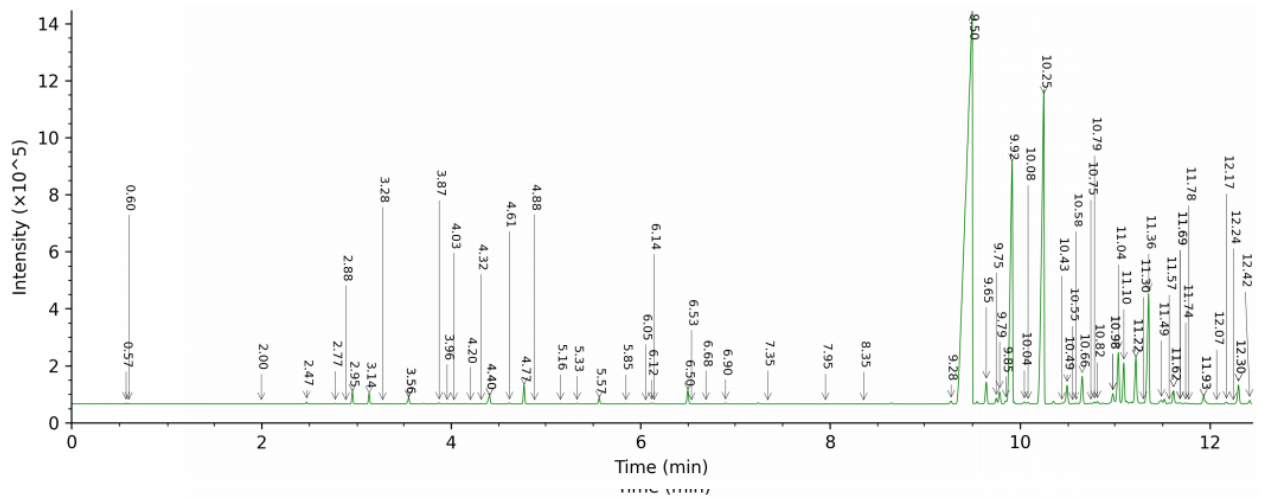
(E)-4,8-Dimethylnona-1,3,7-triene	0.02	Terpene derivative
cis-para-Mentha-2,8-dien-1-ol	0.01	Monoterpenic alcohol
Camphor	0.03	Monoterpenic ketone
Geijerene	0.01	Terpene derivative
Borneol	0.42	Monoterpenic alcohol
Unknown	0.01	Unknown
Terpinen-4-ol	0.02	Monoterpenic alcohol
α -Terpineol	0.03	Monoterpenic alcohol
trans-Carveol	0.01	Monoterpenic alcohol
Geraniol	0.01	Monoterpenic alcohol
Bornyl acetate	0.01	Monoterpenic ester
α -Cubebene	0.12	Sesquiterpene
Eugenol	49.26	Phenylpropanoid
α -Copaene	0.71	Sesquiterpene
β -Bourbonene	0.18	Sesquiterpene
cis- β -Elemene	0.41	Sesquiterpene
β -Cubebene	0.10	Sesquiterpene
β -Elemene	11.30	Sesquiterpene
Isocaryophyllene	0.09	Sesquiterpene
Methyleugenol	0.05	Phenylpropanoid
β -Caryophyllene	15.54	Sesquiterpene

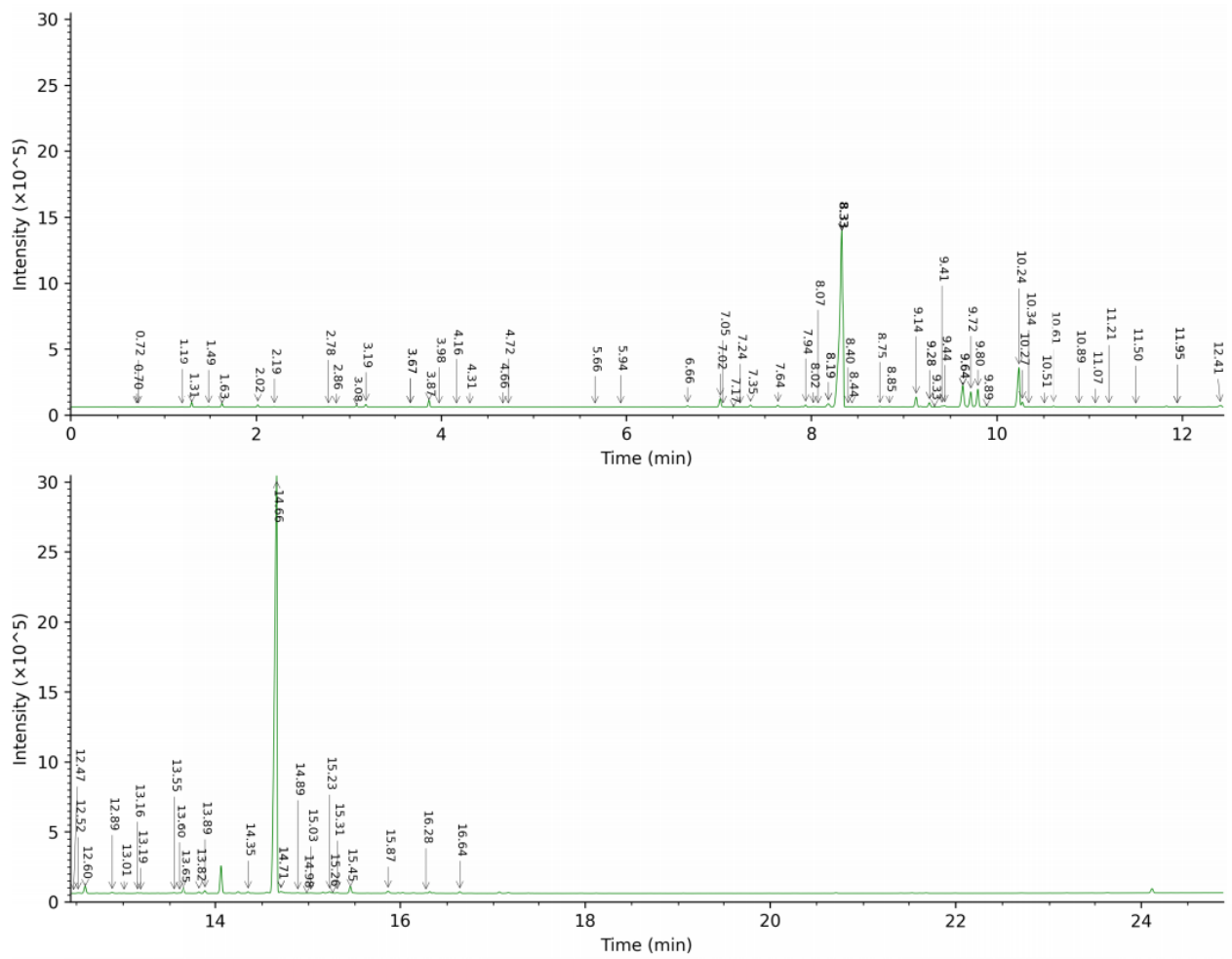
Aromadendrene	0.03	Sesquiterpene
trans- α -Bergamotene	0.68	Sesquiterpene
cis- β -Bergamotene?	0.02	Sesquiterpene
trans-Muurola-3,5-diene	0.03	Sesquiterpene
α -Humulene	0.93	Sesquiterpene
allo-Aromadendrene	0.03	Sesquiterpene
(E)- β -Farnesene	0.07	Sesquiterpene
4,5-diepi-Aristolochene	0.09	Sesquiterpene
Selina-4,11-diene	0.31	Sesquiterpene
γ -Muurolene	0.14	Sesquiterpene
Germacrene D	1.94	Sesquiterpene
β -Selinene	1.34	Sesquiterpene
α -Selinene	1.70	Sesquiterpene
Bicyclogermacrene	0.09	Sesquiterpene
Cuparene	0.04	Sesquiterpene
Germacrene A	4.16	Sesquiterpene
Cubebol	0.21	Sesquiterpenic alcohol
Kessane	0.05	Sesquiterpenic ether
δ -Cadinene	0.43	Sesquiterpene
trans-Calamenene	0.03	Sesquiterpene
Unknown	0.02	Sesquiterpene
Unknown	0.03	Unknown
α -Cadinene	0.04	Sesquiterpene
α -Calacorene	0.03	Sesquiterpene
Isocaryophyllene epoxide B	0.02	Sesquiterpenic ether
α -Elemol	0.23	Sesquiterpenic alcohol
Maaliol	0.02	Sesquiterpenic alcohol
(E)-Nerolidol	0.06	Sesquiterpenic alcohol
Caryolan-8-ol	0.01	Sesquiterpenic alcohol
Caryophyllene oxide	0.63	Sesquiterpenic ether
Caryophyllene oxide isomer	0.06	Sesquiterpenic ether
Viridiflorol	0.12	Sesquiterpenic alcohol

Humulene epoxide I	0.03	Sesquiterpenic ether
Humulene epoxide II	0.10	Sesquiterpenic ether
Unknown	0.15	Oxygenated sesquiterpene
10-epi-Cubenol	0.10	Sesquiterpenic alcohol
1-epi-Cubenol	0.05	Sesquiterpenic alcohol
γ-Eudesmol	0.12	Sesquiterpenic alcohol
Caryophylladienol II	0.07	Sesquiterpenic alcohol
Isospathulenol	0.02	Sesquiterpenic alcohol
τ-Muurolol	0.06	Sesquiterpenic alcohol
τ-Cadinol	0.57	Sesquiterpenic alcohol
β-Eudesmol	0.17	Sesquiterpenic alcohol
Neointermedeol	0.67	Sesquiterpenic alcohol
α-Cadinol	0.06	Sesquiterpenic alcohol
Unknown	0.02	Sesquiterpenic alcohol
14-Hydroxy-(Z)-caryophyllene	0.32	Sesquiterpenic alcohol
(3Z)-Caryophylla-3,8(13)-dien-5β-ol	0.18	Sesquiterpenic alcohol
Acorenone?	0.03	Sesquiterpenic ketone
Unknown	0.11	Lignan
Unknown	0.05	Oxygenated sesquiterpene
(E)-Coniferyl alcohol	0.01	Phenylpropanoid
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Unknown	0.01	Oxygenated sesquiterpene
Unknown	0.13	Lignan
Unknown	0.46	Unknown
Unknown	0.08	Unknown
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Consolidated total	97.52%	

tr: The compound has been detected below 0.005% of total signal.

Note: no correction factor was applied





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