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Certificate of Analysis & Gas Chromatography
Organic Frankincense Essential Oil
(Boswellia serrata)

Issue date: 21/06/2022

General Information	
Product Name	Organic Frankincense Oil, Serrata
Batch number	100822-2
Origin	India
INCI Name	Boswellia Serrata
Cas number	97952-72-2

Analytical Details			
	Specification	Results	Testing Method
Appearance	Mobile liquid	Conforms	Visual
Odour	Characteristic	Conforms	Olfactive
Colour	Colourless to pale yellow	Conforms	Visual
Optical Rotation @ 20°C	-15° to +35°	+29.62°	ISO 592
Refractive Index @ 20°C	1.440 to 1.485	1.459	ISO 280
Specific Gravity @ 20°C	0.830 to 0.890	0.843	ISO 279

GC PROFILE

COMPONENTS	%
alpha-Thujene	71.538
alpha.-Pinene	5.4
Dehydrosabinene	0.407
Camphene	0.007
Thuja-2,4(10)-diene	0.01
Sabinene	5.19
.beta.-Pinene	0.31
Myrcene	0.7
.alpha.-Phellandrene	1.694
delta-3-Carene	4.663
alpha-Terpinene	0.429
p-Cymene	1.443
Limonene	1.607
Eucalyptol	0.375
cis-.beta.-Ocimene	0.588
trans-.beta.-Ocimene	0.017
.gamma.-Terpinene	0.718
cis-Sabinene hydrate	0.024
para-Cymenene	0.013
Terpinolene	0.286
Linalool	0.095
Thujone	0.153
4-trans,6-cis-Allocimene	0.057
alpha.-Phellandrene-8-ol	0.016
Terpinen-4-ol	0.462
.alpha.-Terpineol	0.029
Estragole	1.218
Linalyl acetate	0.02
Bornyl acetate	0.013
cis-Verbenol	0.012
.alpha.-Cubebene	0.01
Methyl Eugenol	0.053
alpha-Copaene	0.081
.beta.-Bourbonene	0.432
.alpha.-Bourbonene	0.038
Alloaromadendrene	0.058
.beta.-Yalangene	0.05
beta.-Copaene	0.045
trans-.alpha.-Bergamotene	0.035
Isogermacrene D	0.03
.gamma.-Muurolene	0.024
Germacrene D	0.104
.beta.-Longipinene	0.085
delta-Cadinene	0.02