



Essential Validation Services



Sample:

Client: | Nature's Fusions
Sample: | Cardamom (*Elettaria cardamomum*)
Batch # | NF-CARD-18-A
Cas Number | 8000-66-6
Type: | Essential Oil

Conclusion:

- No adulterants, diluents, or contaminants were detected via this method.
- This oil meets the expected profile for genuine essential oil of Cardamom (*Elettaria cardamomum*).



X

A handwritten signature in black ink, appearing to read "Adam Christen".

Validated By:

Essential Validation Services

747 SW 2nd Ave, Gainesville, FL 32601

Phone: 317-361-5044 E-mail: Adam@essentialvalidationservices.com

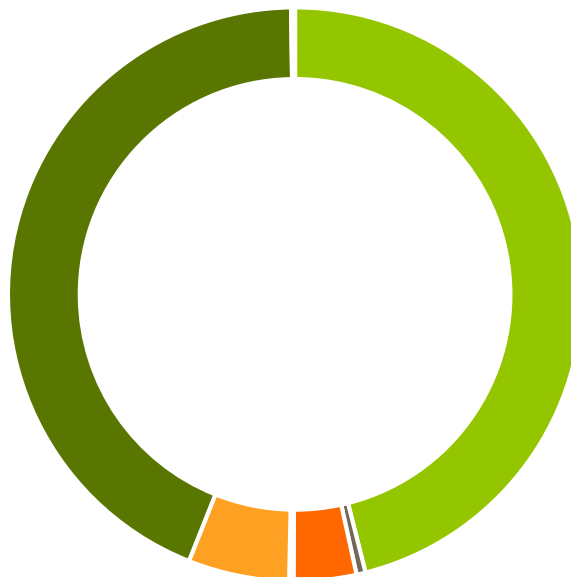
Summary of Analyses

A fresh sample of Cardamom (*Elettaria cardamomum*) Essential Oil (10 uL in .5to.5 mL Hexane + ETOH) was prepared and analyzed via split injection GC/EI-MS.



Main Compounds	Percentages
alpha-Terpinyl acetate	43.75%
Limonene (Co-Eluting)	39.07%
Linalyl acetate	4.97%
Sabinene	3.02%
Linalool	2.21%
Myrcene	1.74%
alpha-Pinene	1.24%
alpha-Terpineol	0.70%
Terpinen-4-ol	0.46%
Geranyl acetate	0.41%
beta-Pinene	0.34%

Monoterpenes	Sesquiterpenes	Monoterpenols	Sesquiterpenols	Ketones
46.05%	0.51%	3.53%	0.24%	0.00%
Esters	Ethers	Aldehydes	Phenols	Other
5.70%	43.75%	0.05%	0.00%	0.17%



- Monoterpenes ■ Sesquiterpenes ■ Monoterpenols
- Sesquiterpenols ■ Ketones ■ Esters
- Ethers ■ Phenols ■ Other

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