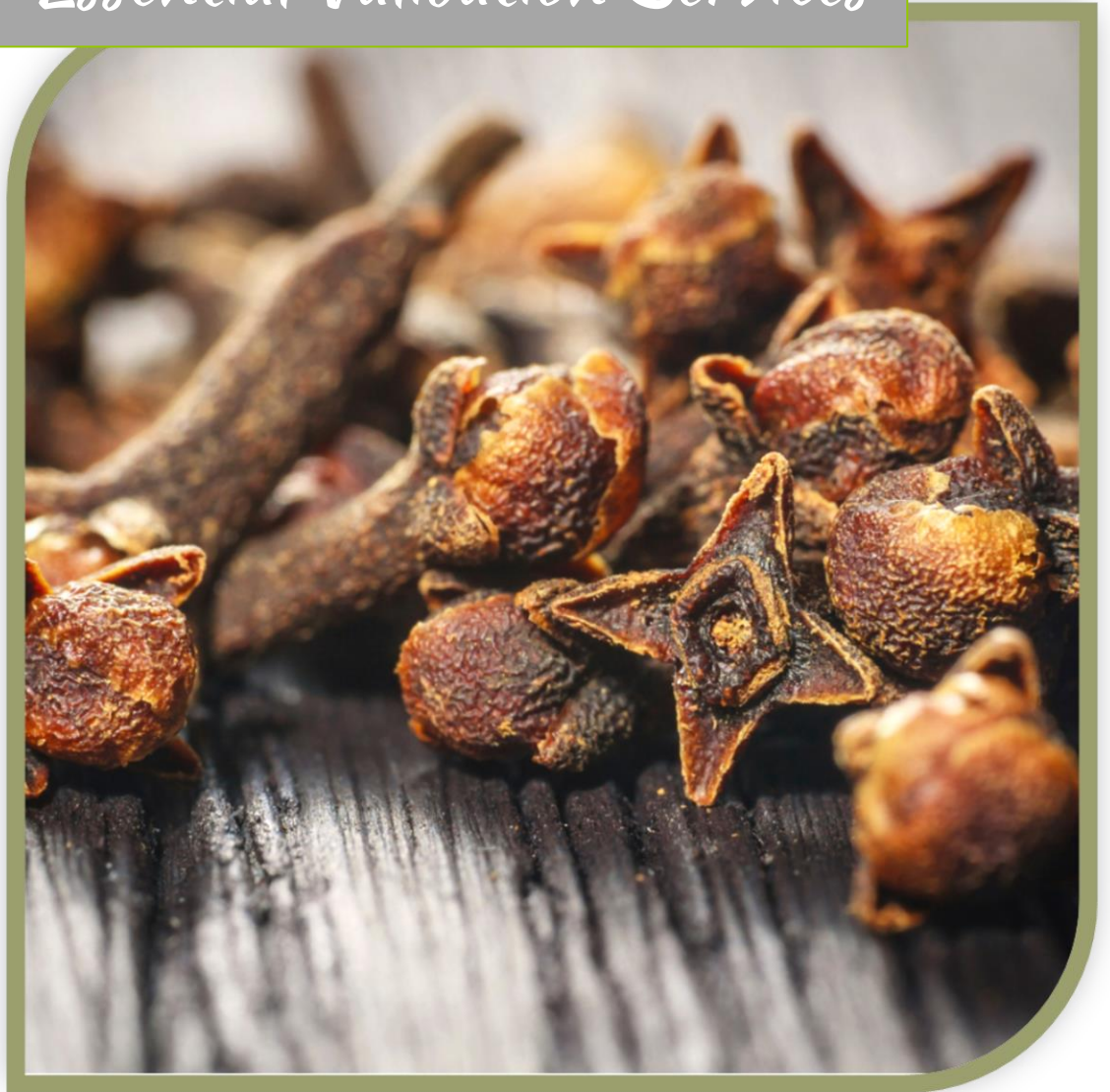




Essential Validation Services





Sample:

Client: | Nature's Fusions
Sample: | Clove Bud (Eugenia Caryophyllata)
Batch # | NF-CLOV-18-A
Cas Number | 8000-34-8
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 Clove Bud (Eugenia Caryophyllata).

X

Validated By:



Essential Validation Services

747 SW 2nd Ave, Gainesville, FL 32601

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

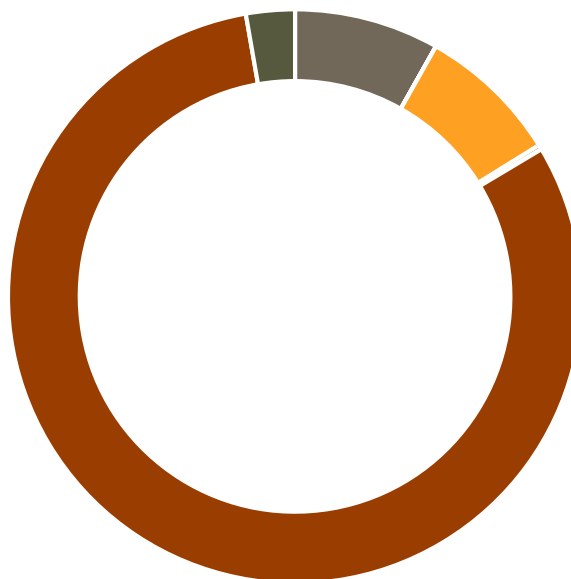
Summary of Analyses

A fresh sample of Clove Bud (Eugenia Caryophyllata) Essential Oil (10 uL in .5to.5 mL Hexane + ETOH) was prepared and analyzed via split injection GC/EI-MS.



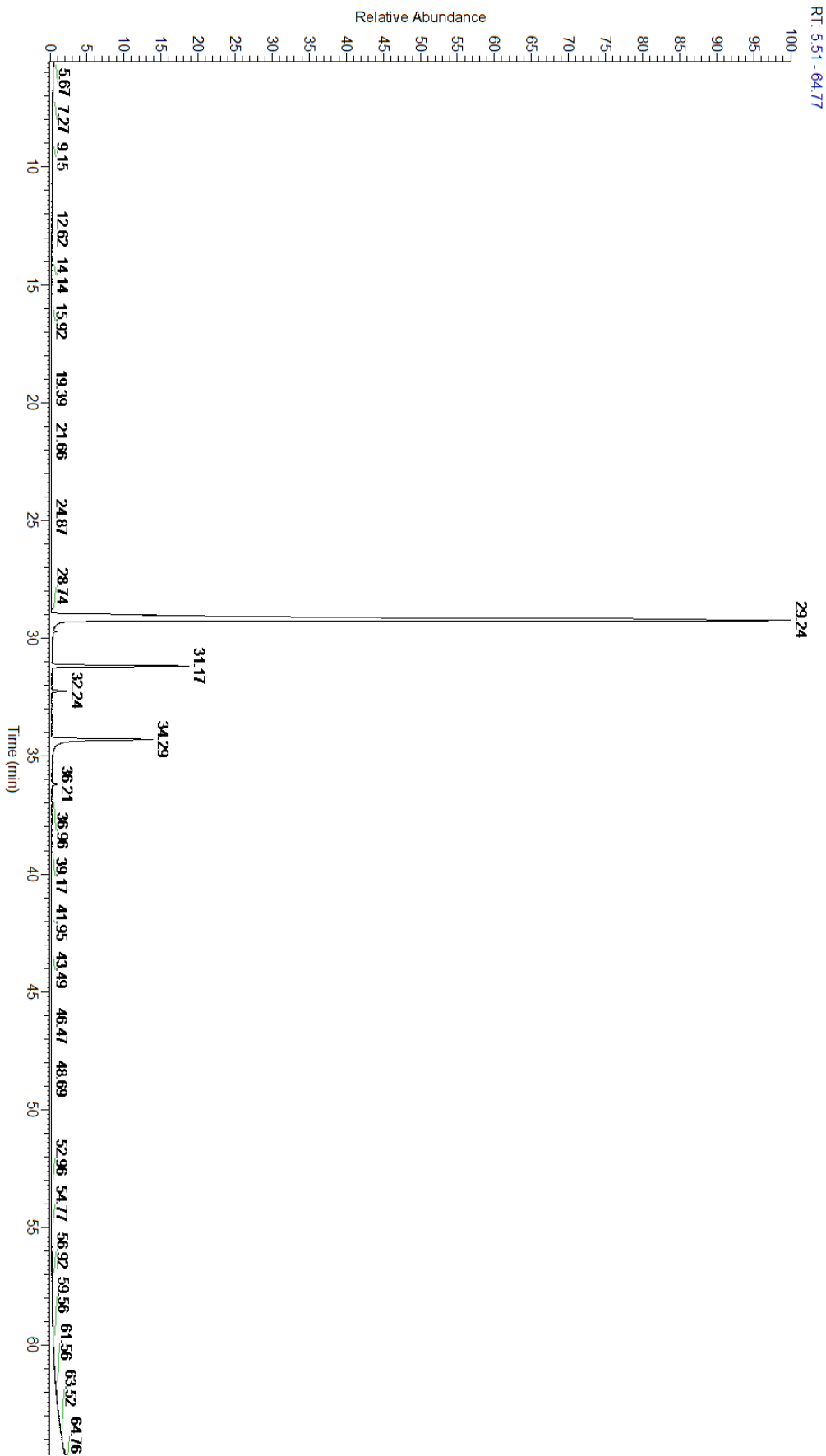
Main Compounds	Percentages
Eugenol	80.82%
Eugenyl acetate	8.00%
beta-Caryophyllene	7.19%
alpha-Humulene	0.78%

Monoterpenes	Sesquiterpenes	Monoterpenols	Sesquiterpenols	Ketones
0.00%	8.17%	0.00%	0.00%	0.00%
Esters	Ethers	Aldehydes	Phenols	Other
8.00%	0.26%	0.00%	80.82%	2.75%



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

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Total Percentage		97.25%			
Peak Number	RT	Area %	Compound Name	RI	Chemical Family
1	29.24	80.82%	Eugenol	1365.89	Phenylpropanoid
2	29.71	0.20%	alpha-Copaene	1379.00	Sesquiterpene
3	31.17	7.19%	beta-Caryophyllene	1427.14	Sesquiterpene
4	32.24	0.78%	alpha-Humulene	1461.43	Sesquiterpene
5	34.29	8.00%	Eugenyl acetate	1524.75	Phenylpropanoid Ester
6	35.26	0.03%	UK Clove Bud		
7	36.11	0.02%	UK Clove Bud		
8	36.21	0.26%	Caryophyllene oxide	1594.86	Sesquiterpene Ether

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