



316 Old Hickory Blvd East, Madison, TN 37115

tel (615)612-4270 fax (615)860-9171

sold@naturesgift.com

Balancing Body, Mind and Spirit with Pure Essential Oils

Since 1995

www.naturesgift.com

## Lemon Myrtle

*Backhousia citriodora*

Batch No. AU-59035

Australia

<b>Monoterpenes</b>	<b>0.52%</b>	<b>Sesquiterpenes</b>	<b>1.62%</b>	<b>Esters</b>	<b>0.69%</b>
limonene	0.17	$\beta$ caryophyllene	0.97	geranyl acetate	0.65
myrcene	0.15	$\alpha$ humulene	0.20	citronellyl acetate	0.02
camphene	0.07	$\beta$ bisabolene	0.07	geranyl formate	0.01
(E) $\beta$ ocimene	0.03	$\gamma$ cadinene	0.07	neryl acetate	0.01
(Z) $\beta$ ocimene	0.03	$\delta$ cadinene	0.06		
$\alpha$ pinene	0.02	trans $\alpha$ bergamotene	0.05		
para cymene	0.02	germacrene D	0.05		
$\beta$ pinene	0.01	$\beta$ elemene	0.04	<b>Ethers</b>	<b>0.06%</b>
tricyclene	0.01	$\alpha$ copaene	0.02	caryophyllene oxide	0.06
alloocimene	0.01	viridiflorene	0.02		
		$\alpha$ selinene	0.02		
		$\gamma$ elemene	0.01		
		aromadendrene	0.01	<b>Ketones</b>	<b>0.95%</b>
<b>Monoterpenols</b>	<b>2.12%</b>	$\gamma$ muurolene	0.01	6-methyl-5-hepten-2-one	0.90
geraniol	1.10	(Z) $\alpha$ bisabolene	0.01	4-nonanone	0.04
linalool	0.51	(E,E) $\alpha$ farnesene	0.01	piperitenone	0.01
citronellol	0.21				
$\alpha$ terpineol	0.14	<b>Aldehydes</b>	<b>93.65%</b>	<b>Other</b>	<b>0.01%</b>
trans-piperitol	0.05	geranial	57.27	neric acid	0.01
borneol	0.04	neral	35.02		
cis-piperitol	0.03	(E) isocitral	0.53		
nerol	0.03	citronellal	0.37		
isopulegol	0.01	(Z) isocitral	0.29	<b>Phenols</b>	<b>0.02%</b>
		exo-isocitral	0.14	(E) isoeugenol	0.02
		decanal	0.03		

Raw Material: *Backhousia citriodora*

Production Steam Dist., leaves

Date of Analysis: 3/10/2020

Client



Source



Lemon Myrtle (*Backhousia citriodora*)  
AU-59035

Sample

Lemon Myrtle (*Backhousia citriodora*)

Batch #:..... AU-59035

Type:..... Essential Oil

CAS Number:... 84775-80-4

Nature's Gift

Client



Website



Primary

**57.27%**

**Geranial**

**35.02%**

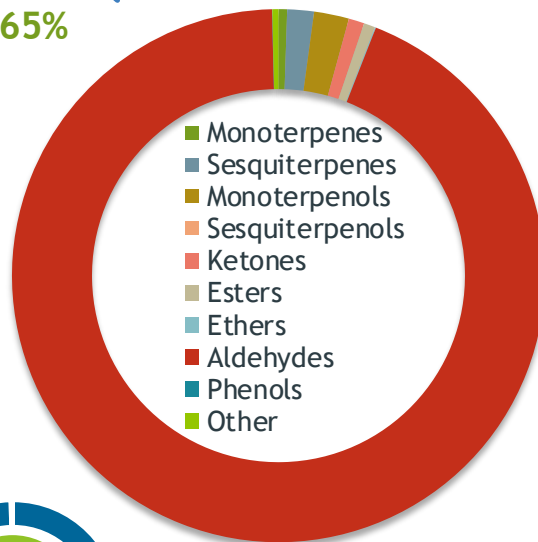
**Neral**

**1.10%**

**Geraniol**

### Aldehydes

93.65%



### Percentage Identified

Result



Conclusion

No adulterants, diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine Essential Oil of Lemon Myrtle (*Backhousia citriodora*)

Internal Number: | EVS-3635



### Essential Validation Services

747 SW 2nd Ave IMB 12 Suite 306  
Gainesville, FL 32601

317.361.5044 |

<https://essentialvalidationservices.com/>

adam@essentialvalidationservices.com

Monoterpenes	0.52%
Sesquiterpenes	1.62%
Monoterpenols	2.12%
Sesquiterpenols	0.00%
Ketones	0.95%
Esters	0.69%
Ethers	0.06%
Aldehydes	93.65%
Phenols	0.02%
Other	0.37%

- Essential Oil testing is performed by using qualitative GC-MS. Method: SOP.T.01 Client Method  
 - This report may not be published without the consent of Essential Validation Services.  
 - Chromatograph image may be requested  
 - This report is valid for 1 year from the analyzed date

Client



Source

Lemon Myrtle (*Backhousia citriodora*)

AU-59035

Total Percentage		99.64%		
Number	RT	Area %	Compound Name	Chemical Family
1	8.28	0.01%	Tricyclene	Monoterpene
2	8.71	0.02%	alpha-Pinene	Monoterpene
3	9.33	0.07%	Camphene	Monoterpene
4	10.47	0.01%	beta-Pinene	Monoterpene
5	10.82	0.90%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
6	11.05	0.15%	Myrcene	Monoterpene
7	12.50	0.02%	para-Cymene	Monoterpene
8	12.75	0.17%	Limonene	Monoterpene
9	13.12	0.03%	(Z)-beta-Ocimene	Monoterpene
10	13.59	0.03%	(E)-beta-Ocimene	Monoterpene
11	14.73	0.04%	4-Nonanone	Aliphatic Ketone
12	16.02	0.51%	Linalool	Monoterpenol
13	17.36	0.01%	Alloocimene	Monoterpene
14	18.03	0.14%	exo-Isocitral	Monoterpene Aldehyde
15	18.45	0.37%	Citronellal	Monoterpene Aldehyde
16	18.65	0.01%	Isopulegol	Monoterpenol
17	18.88	0.29%	(Z)-isocitral	Monoterpene Aldehyde
18	19.26	0.04%	Borneol	Monoterpenol
19	19.75	0.53%	(E)-Isocitral	Monoterpene Aldehyde
20	20.38	0.14%	alpha-Terpineol	Monoterpenol
21	20.61	0.03%	cis-Piperitol	Monoterpenol
22	20.97	0.03%	Decanal	Aliphatic Aldehyde
23	21.42	0.05%	trans-Piperitol	Monoterpenol
24	21.82	0.03%	Nerol	Monoterpenol
25	22.01	0.21%	Citronellol	Monoterpenol
26	22.51	35.02%	Neral	Monoterpene Aldehyde
27	23.05	1.10%	Geraniol	Monoterpenol
28	23.94	57.27%	Geranial	Monoterpene Aldehyde
29	25.13	0.01%	Geranyl formate	Monoterpene Ester
30	26.74	0.01%	Piperitenone	Sesquiterpene Ketone
31	27.27	0.01%	Neric acid	Monoterpene Acid
32	27.39	0.02%	Citronellyl acetate	Monoterpene Ester
33	27.77	0.01%	Neryl acetate	Monoterpene Ester
34	28.42	0.02%	alpha-Copaene	Sesquiterpene
35	28.62	0.65%	Geranyl acetate	Monoterpene Ester

ESSENTIAL VALIDATION SERVICES | 747 SW 2<sup>ND</sup> AVE GAINESVILLE, FLORIDA 32601 | 317-361-5044

- Essential Oil testing is performed by using qualitative GC-MS. Method: SOP.T.01 Client Method  
 - This report may not be published without the consent of Essential Validation Services.  
 - Chromatograph image may be requested  
 - This report is valid for 1 year from the analyzed date



