

## Laboratory Test Report

**SAMPLE NAME** : Meadowfoam  
**CLIENT NAME** : Plant Therapy  
**CLIENT LOT #** : MA0120R  
**APRC LOT#** : PT231018A

**Column** : ZB5 (60 m length × 0.25 mm inner diameter × 0.25 µm film thicknes  
**Instrument** : Shimadzu GCMS-QP2010 Ultra  
**Carrier gas** : Helium 80 psi  
**Temperature ramp** : 2 degrees Celsius per minute up to 260-degree Celsius  
**Split ratio** : 30:1  
**Sample preparation** : 5% w/v solution with Dichloromethane

### Interpretation on this sample

The analysis of Meadowfoam sample meets the standard chemical profile of *Limnanthes alba* oil.

**Analyzed by** : Dr Prabodh Satyal  
**Reviewed by** : Ambika Poudel

**Issued Date** : 10/19/2023

## GCMS Analysis

### Sample Information

Analyzed by : Dr. Prabodh Satyal  
Analyzed : 10/19/2023 11:07:21 AM  
Sample Type : Oil  
Sample Name : Meadowfoam  
Client Name : Plant Therapy  
Client Lot# : MA0120R  
APRC Lot# : PT231018A  
Injection Volume : 0.30

### Chromatogram



## Peak Report

Peak#	R.Time	Name	Area%
1	45.623	Myristic acid	0.00
2	51.676	cis-7-Hexadecenoic acid	0.07
3	51.896	Palmitoleic acid	0.00
4	52.604	Palmitic acid	0.10
5	57.985	Linoleic acid	0.31
6	58.198	cis-Oleic acid	1.00
7	58.362	trans-Oleic acid	0.01
8	58.987	Stearic acid	0.06
9	61.193	cis-10-Nonadecenoic acid	0.04
10	63.443	Unidentified	0.05
11	63.545	Unidentified	0.08
12	64.401	5-Eicosenoic acid	59.25
13	64.488	Unidentified	0.57
14	64.711	Unidentified	0.03
15	64.876	Arachidic acid	0.50
16	66.917	Unidentified	0.09
17	68.821	Monolinolein	0.18
18	69.079	5,13-docosadienoic acid	18.03
19	69.243	Unidentified	0.41
20	69.492	Unidentified	0.11
21	69.749	Erucic acid	18.69
22	69.873	Unidentified	0.06
23	70.258	Behenic acid	0.08
24	70.666	Unidentified	0.04
25	74.102	Unidentified	0.17
26	74.699	cis-15-Tetracosenoic acid	0.05
27	75.251	Lignoceric acid	0.01
			100.00

