

## Laboratory Test Report

**SAMPLE NAME** : Org Hemp Seed  
**CLIENT NAME** : Plant Therapy  
**CLIENT LOT #** : HV0125R  
**APRC LOT#** : PT240415A

**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 sample meets the standard chemical profile of Hemp seed oil.

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

**Issued Date** : 4/16/2024



## Peak Report

Peak#	R.Time	Name	Area%
1	22.459	Methyl salicylate	0.01
2	44.491	Myristic acid	0.03
3	48.056	Pentadecanoic acid	0.01
4	50.319	7,10-Hexadecadienoic acid	0.00
5	50.588	cis-7-Hexadecenoic acid	0.02
6	50.743	Palmitoleic acid	0.08
7	50.828	9,12-Hexadecadienoic acid	0.01
8	51.520	Palmitic acid	6.88
9	53.861	9,12-heptadecadienoic acid	0.02
10	53.931	cis-10-Heptadecenoic acid	0.02
11	54.707	Heptadecanoic acid	0.05
12	56.321	gamma-linolenic acid	3.73
13	56.486	Unidentified	1.20
14	57.091	Linoleic acid	55.42
15	57.235	Linolenic acid	14.43
16	57.262	cis-Oleic acid	11.97
17	57.311	trans-Oleic acid	0.71
18	57.530	trans-13-Octadecenoic acid	0.06
19	57.859	Stearic acid	2.93
20	59.647	9-trans,11-trans-Conjugated linoleic acid, ethyl ester	0.01
21	59.952	cis-10-Nonadecenoic acid	0.01
22	60.079	trans-10-Nonadecenoic acid	0.01
23	60.763	Nonadecanoic acid	0.01
24	62.720	cis-11,14-Eicosadienoic acid	0.07
25	62.883	cis-11-Eicosenoic acid	0.48
26	63.062	cis-13-Eicosenoic acid	0.01
27	63.626	Arachidic acid	1.11
28	66.349	Heneicosanoic acid	0.02
29	68.325	Erucic acid	0.02
30	68.991	Behenic acid	0.45
31	71.523	Tricosanoic acid	0.04
32	73.385	cis-15-Tetracosenoic acid	0.01
33	73.970	Lignoceric acid	0.18
34	76.332	Pentacosanoic acid	0.01
35	78.615	Hexacosanoic acid	0.01
36	82.086	beta-Sitosterol acetate	0.01
37	89.358	Stigmast-4-en-3-one	0.01
			100.00