



Lavender

Company Name: Farmer and Chemist Sample Received: 7/28/2020
Company Lot Number: PSB01EXP.02.22 Release Date: 8/5/2020
Sample Matrix: Topical Applicant APRC Lot Number: RMH200728C



Total THC
0.02 %

Total CBD
0.65 %

Cannabinoids
0.69 %

Pesticides
Not Tested

Microbial
Not Tested

Residual
Solvents
Not Detected

Heavy Metals
Not Tested

Terpene
Analysis
Tested

Prepared By: C. Wiscombe

Reviewed By: C. Gunn



Quantitative Terpene Analysis Report

Certificate of Analysis

Lavender

Company Name: Farmer & Chemist Sample Received: 7-28-2020
Company Lot Number: PSB01EXP.02.22 APRC Lot Number: RMH200728C
Sample Matrix: Topical Applicant Release Date: 8-3-2020

| Compound | Total % (w/w) | Total (mg/g) | Compound | Total % (w/w) | Total (mg/g) |
|---------------------|------------------|-----------------|------------------------|------------------|-----------------|
| α -Pinene | ND | ND | Terpinolene | ND | ND |
| Camphene | ND | ND | Linolool | ND | ND |
| β -Pinene | ND | ND | Isopulegol | ND | ND |
| β -Myrcene | ND | ND | Geraniol | ND | ND |
| Δ -3-Carene | ND | ND | β -Caryophyllene | ND | ND |
| α -Terpinene | ND | ND | α -Humulene | ND | ND |
| p-Cymene | ND | ND | cis-Nerolidol | ND | ND |
| Limonene | ND | ND | trans-Nerolidol | ND | ND |
| α -Ocimene | ND | ND | Caryophyllene oxide | ND | ND |
| Eucalyptol | ND | ND | Guaiol | ND | ND |
| β -Ocimene | ND | ND | α -Bisabolol | ND | ND |
| γ -Terpinene | ND | ND | Total Terpenes | 0.00 | 0.00 |

Prepared By: C. Wiscombe

Reviewed By: C. Gunn



Residual Solvents Analysis Report

Certificate of Analysis

Lavender

Company Name: Farmer & Chemist Sample Received: 7-28-2020
Company Lot Number: PSB01EXP.02.22 APRC Lot Number: RMH200728C
Sample Matrix: Topical Applicant Release Date: 8-5-2020

| Analyte | Limit (µg/g) [†] | Concentration (µg/g) | Disposition |
|---|---------------------------|----------------------|-------------|
| 1,2 Dimethoxyethane | 100 | ND | Pass |
| 1,4 Dioxane | 380 | ND | Pass |
| 1-Butanol | 5000 | ND | Pass |
| 1-Pentanol | 5000 | ND | Pass |
| 1-Propanol | 5000 | ND | Pass |
| 2-Butanol | 5000 | ND | Pass |
| 2-Butanone | 5000 | ND | Pass |
| 2-Ethoxyethanol | 160 | ND | Pass |
| 2-methylbutane | 5000 | ND | Pass |
| 2-Propanol (Isopropyl Alcohol) | 5000 | ND | Pass |
| Acetone | 5000 | ND | Pass |
| Acetonitrile | 410 | ND | Pass |
| Benzene | 2 | ND | Pass |
| Butane | 5000 | ND | Pass |
| Cumene | 70 | ND | Pass |
| Cyclohexane | 3880 | ND | Pass |
| Dichloromethane (Methylene Chloride) | 600 | ND | Pass |
| 2,2-dimethylbutane | 290 | ND | Pass |
| 2,3-dimethylbutane | 290 | ND | Pass |
| 1,2-dimethylbenzene (<i>o</i> -Xylene) | See Xylenes | ND | Pass |
| 1,3-dimethylbenzene (<i>m</i> -Xylene) | See Xylenes | ND | Pass |
| 1,4-dimethylbenzene (<i>p</i> -Xylene) | See Xylenes | ND | Pass |
| Dimethyl Sulfoxide (DMSO) | 5000 | ND | Pass |
| Ethanol | 5000 | ND | Pass |



| Analyte | Limit (µg/g) [†] | Concentration (µg/g) | Disposition |
|-----------------------|---------------------------|----------------------|-------------|
| Ethyl Acetate | 5000 | ND | Pass |
| Ethylbenzene | See Xylenes | ND | Pass |
| Ethyl ether | 5000 | ND | Pass |
| Ethylene glycol | 620 | ND | Pass |
| Ethylene Oxide | 50 | ND | Pass |
| Heptane | 5000 | ND | Pass |
| Hexane | 290 | ND | Pass |
| Isopropyl acetate | 5000 | ND | Pass |
| Methanol | 3000 | ND | Pass |
| Methylpropane | 5000 | ND | Pass |
| 2-Methylpentane | 290 | ND | Pass |
| 3-Methylpentane | 290 | ND | Pass |
| N,N-dimethylacetamide | 1090 | ND | Pass |
| N,N-dimethylformamide | 880 | ND | Pass |
| Pentane | 5000 | ND | Pass |
| Propane | 5000 | ND | Pass |
| Pyridine | 100 | ND | Pass |
| Sulfolane | 160 | ND | Pass |
| Tetrahydrofuran | 720 | ND | Pass |
| Toluene | 890 | ND | Pass |
| Xylenes [‡] | 2170 | ND | Pass |

[†] Per Utah state code 4-41a-701(3) Section R68-29-6

[‡] Total Xylenes is a combination of the following: *o*-Xylene, *m*-Xylene, *p*-Xylene, and Ethylbenzene

Overall Disposition: Pass

Prepared By: A. Anderson

Reviewed By: C. Gunn



HPLC Analysis Report

Cannabinoid Profile Certificate of Analysis

Client: Farmer and Chemist Date Received: 07-28-2020
Sample Name: Lavender Date Tested: 07-30-2020
Sample Matrix: Topical Applicant APRC #: RMH200728C
Sample Lot: PSB01EXP.02.22

| ID# | Cannabinoid | Ret. Time | Conc. (µg/mL) | % (w/w) | mg/g |
|-----|---|-----------|---------------|---------|------|
| 1 | Cannabidivarin (CBDV) | <LOQ | <LOQ | N/A | N/A |
| 2 | Cannabidiolic acid (CBDA) | <LOQ | <LOQ | N/A | N/A |
| 3 | Cannabigerolic acid (CBGA) | <LOQ | <LOQ | N/A | N/A |
| 4 | Cannabigerol (CBG) | 3.009 | 0.584 | 0.00 | 0.04 |
| 5 | Cannabidiol (CBD) | 3.177 | 105.055 | 0.65 | 6.46 |
| 6 | Tetrahydrocannabivarin (THCV) | <LOQ | <LOQ | N/A | N/A |
| 7 | Cannabinol (CBN) | <LOQ | <LOQ | N/A | N/A |
| 8 | Δ9-Tetrahydrocannabinol (Δ9-THC) | 5.871 | 3.096 | 0.02 | 0.19 |
| 9 | Δ8-Tetrahydrocannabinol (Δ8-THC) | <LOQ | <LOQ | N/A | N/A |
| 10 | Cannabichromene (CBC) | 7.363 | 3.923 | 0.02 | 0.24 |
| 11 | Δ9-Tetrahydrocannabinolic acid (THCA-A) | ND | ND | N/A | N/A |

Analyzed by: C. Wiscombe

Reviewed by: C. Gunn

| | % | mg/g |
|------------------------|------|------|
| Total Cannabinoids | 0.69 | 6.93 |
| Total THC [†] | 0.02 | 0.19 |
| Total CBD [‡] | 0.65 | 6.46 |

[†] Total THC is calculated by Δ9-THC +(THCA-A*0.877)

[‡] Total CBD is calculated by CBD +(CBDA*0.877)

Notes: