

PharmLabs San Diego Certificate of Analysis



Sample 100mg CBD Lozenge LPCO10017001

| | |
|------------------------------------|--|
| Sample ID 170309-062 (20232) | Matrix Edible/Tincture (Other Cannabis Good) |
| Tested for Pure Ratios (IBC) | |
| Sampled - | Received Mar 09, 2017 |
| Analyses executed CAN, MIBNIG, PES | Reported May 01, 2017 |
| | Unit Mass (g) 0.532 |

CAN - Cannabinoids Analysis

| Instrument HPLC-VWD | Method SOP-001
 The expanded Uncertainty of the Cannabinoid analysis is approximately 7.806% at the 95% Confidence Level

| Analyte | LOD mg/g | LOQ mg/g | Result % | Result mg/g | Result mg/Unit |
|--|----------|----------|--------------|---------------|----------------|
| Cannabidiolic Acid (CBDA) | 0.001 | 0.16 | 0.55 | 5.52 | 2.94 |
| Cannabigerol (CBG) | 0.001 | 0.16 | 0.05 | 0.50 | 0.27 |
| Cannabidiol (CBD) | 0.001 | 0.16 | 18.72 | 187.15 | 99.56 |
| Cannabinol (CBN) | 0.001 | 0.16 | 0.00 | 0.04 | 0.02 |
| Tetrahydrocannabinol (Δ9-THC) | 0.003 | 0.16 | NT | NT | NT |
| Δ8-tetrahydrocannabinol (Δ8-THC) | 0.004 | 0.16 | NT | NT | NT |
| (6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10) | 0.015 | 0.16 | NT | NT | NT |
| (6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10) | 0.007 | 0.16 | NT | NT | NT |
| Tetrahydrocannabinolic Acid (THCA) | 0.001 | 0.16 | NT | NT | NT |
| Total CBD (CBDA * 0.877 + CBD) | | | 19.20 | 191.99 | 102.14 |

MIBNIG - Microbial Analysis

| Instrument Plating | Method SOP-007

| Analyte | LOD | LOQ | Result CFU/g | Limit | Analyte | LOD | LOQ | Result CFU/g | Limit |
|------------------------|-----|-----|--------------|-------|------------|-----|-----|--------------|-------|
| Total Aerobic Bacteria | | | 600 | | Total Mold | | | ND | |
| Total Yeast | | | ND | | | | | | |

UI Unidentified
 ND Not Detected
 N/A Not Applicable
 NT Not Reported
 LOD Limit of Detection
 LOQ Limit of Quantification
 <LOQ Detected
 >ULOL Above upper limit of linearity
 CFU/g Colony Forming Units per 1 gram
 TNTC Too Numerous to Count



DCC license: C8-0000098-LIC
 DEA license: RP0611043
 ISO/IEC 17025:2017 Acc. L17-427-1



Scan the QR code to verify authenticity.

Authorized Signature

Jaclyn Mauser - Lab Director
 Mon, 01 May 2017 04:21:03 -0700

PharmLabs San Diego | 3421 Hancock St, Second Floor, San Diego, CA 92110 | 619.356.0898 | ISO/IEC 17025:2017 Acc. L17-427-1



*This report shall not be reproduced except in full, without the written approval of the lab. This report is for informational purposes only and should not be used to diagnose, treat or prevent any disease. Results are only for samples and batches indicated. Results are reported on an "as received" basis, unless indicated otherwise. When a Pass/Fail status is reported, that status is intended to be in accordance with federal, state and local laws which are required for the customer to be in compliance. The measurement of uncertainty is not included in the Pass/Fail evaluation unless explicitly required by federal, state or local laws and has been reported on the certificate of analysis. Measurement of uncertainty is available upon request.

PES - Pesticides Analysis

| Instrument LC/MSMS GC/MSMS | Method SOP-003

| Analyte | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g | Analyte | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g |
|-------------------------|----------|----------|-------------|------------|-----------------------|----------|----------|-------------|------------|
| Aldicarb | 0.0078 | 0.02 | NT | 0.0078 | Carbofuran | 0.01 | 0.02 | NT | 0.01 |
| Dimethoate | 0.01 | 0.02 | NT | 0.01 | Etofenprox | 0.02 | 0.1 | NT | 0.02 |
| Fenoxycarb | 0.01 | 0.02 | NT | 0.01 | Thiachloprid | 0.01 | 0.02 | NT | 0.01 |
| Daminozide | 0.01 | 0.03 | NT | 0.01 | Dichlorvos | 0.02 | 0.07 | NT | 0.02 |
| Imazalil | 0.02 | 0.07 | NT | 0.02 | Methiocarb | 0.01 | 0.02 | NT | 0.01 |
| Spiroxamine | 0.01 | 0.02 | NT | 0.01 | Coumaphos | 0.01 | 0.02 | NT | 0.01 |
| Fipronil | 0.01 | 0.1 | NT | 0.01 | Paclbutrazol | 0.01 | 0.03 | NT | 0.01 |
| Chlorpyrifos | 0.01 | 0.04 | NT | 0.01 | Ethoprophos (Prophos) | 0.01 | 0.02 | NT | 0.01 |
| Baygon (Propoxur) | 0.01 | 0.02 | NT | 0.01 | Chlordane | 0.04 | 0.1 | NT | 0.04 |
| Chlorfenapyr | 0.03 | 0.1 | NT | 0.03 | Methyl Parathion | 0.02 | 0.1 | NT | 0.02 |
| Mevinphos | 0.03 | 0.08 | NT | 0.03 | Abamectin | 0.03 | 0.08 | NT | 0.3 |
| Acephate | 0.02 | 0.05 | NT | 5 | Acetamiprid | 0.01 | 0.05 | NT | 5 |
| Azoxystrobin | 0.01 | 0.02 | NT | 40 | Bifenazate | 0.01 | 0.05 | NT | 5 |
| Bifenthrin | 0.02 | 0.35 | NT | 0.5 | Boscalid | 0.01 | 0.03 | NT | 10 |
| Carbaryl | 0.01 | 0.02 | NT | 0.5 | Chlorantraniliprole | 0.01 | 0.04 | NT | 40 |
| Clofentezine | 0.01 | 0.03 | NT | 0.5 | Diazinon | 0.01 | 0.02 | NT | 0.2 |
| Dimethomorph | 0.02 | 0.06 | NT | 20 | Etoxazole | 0.01 | 0.05 | NT | 15 |
| Fenpyroximate | 0.02 | 0.1 | NT | 2 | Fonicamid | 0.01 | 0.02 | NT | 2 |
| Fludioxonil | 0.01 | 0.05 | NT | 30 | Hexythiazox | 0.01 | 0.03 | NT | 2 |
| Imidacloprid | 0.01 | 0.05 | NT | 3 | Kresoxim-methyl | 0.01 | 0.03 | NT | 1 |
| Malathion | 0.01 | 0.05 | NT | 5 | Metaxyl | 0.01 | 0.02 | NT | 15 |
| Methomyl | 0.02 | 0.05 | NT | 0.1 | Myclobutanil | 0.02 | 0.07 | NT | 9 |
| Naled | 0.01 | 0.02 | NT | 0.5 | Oxamyl | 0.01 | 0.02 | NT | 0.2 |
| Permethrin | 0.01 | 0.02 | NT | 20 | Phosmet | 0.01 | 0.02 | NT | 0.2 |
| Piperonyl Butoxide | 0.02 | 0.06 | NT | 8 | Propiconazole | 0.03 | 0.08 | NT | 20 |
| Prallethrin | 0.02 | 0.05 | NT | 0.4 | Pyrethrin | 0.05 | 0.41 | NT | 1 |
| Pyridaben | 0.02 | 0.07 | NT | 3 | Spinosad A | 0.01 | 0.05 | NT | 3 |
| Spinosad D | 0.01 | 0.05 | NT | 3 | Spiromesifen | 0.02 | 0.06 | NT | 12 |
| Spirotetramat | 0.01 | 0.02 | NT | 13 | Tebuconazole | 0.01 | 0.02 | NT | 2 |
| Thiamethoxam | 0.01 | 0.02 | NT | 4.5 | Trifloxystrobin | 0.01 | 0.02 | NT | 30 |
| Acequinocyl | 0.02 | 0.09 | NT | 4 | Captan | 0.01 | 0.02 | NT | 5 |
| Cypermethrin | 0.02 | 0.1 | NT | 1 | Cyfluthrin | 0.04 | 0.1 | NT | 1 |
| Fenhexamid | 0.02 | 0.07 | NT | 10 | Spinetoram J.L | 0.02 | 0.07 | NT | 3 |
| Pentachloronitrobenzene | 0.01 | 0.1 | NT | 0.2 | | | | | |

UJ Unidentified
 ND Not Detected
 N/A Not Applicable
 NT Not Reported
 LOD Limit of Detection
 LOQ Limit of Quantification
 <LOQ Detected
 >ULOL Above upper limit of linearity
 CFU/g Colony Forming Units per 1 gram
 TNTC Too Numerous to Count



DCC license: C8-0000098-LIC
 DEA license: RP0611043
 ISO/IEC 17025:2017 Acc. L17-427-1



Scan the QR code to verify authenticity.

Authorized Signature

Jaelyn Mauser - Lab Director
 Mon, 01 May 2017 04:21:03 -0700

PharmLabs San Diego | 3421 Hancock St, Second Floor, San Diego, CA 92110 | 619.356.0898 | ISO/IEC 17025:2017 Acc. L17-427-1



*This report shall not be reproduced except in full, without the written approval of the lab. This report is for informational purposes only and should not be used to diagnose, treat or prevent any disease. Results are only for samples and batches indicated. Results are reported on an "as received" basis, unless indicated otherwise. When a Pass/Fail status is reported, that status is intended to be in accordance with federal, state and local laws which are required for the customer to be in compliance. The measurement of uncertainty is not included in the Pass/Fail evaluation unless explicitly required by federal, state or local laws and has been reported on the certificate of analysis. Measurement of uncertainty is available upon request.