

Image



Test

| | |
|------------------|----|
| Pesticides | |
| Microbiology | |
| Micotoxins | |
| Heavy Metals | |
| Terpenes | |
| Res. Solvents | |
| Water act. | NA |
| Moisture | NA |
| Foreign Material | NA |

| | | | |
|--------------------|---------------|------------------|---------------------|
| Sample Name | LOS SANTOS CA | Client | ALLIED Colombia SAS |
| Sample Type | ACEITE | Contact | Nicolás Rueda |
| Amount | 30 g | Phone | 3182833284 |
| Sample ID | 10265.5 | E-mail: | nico@allied.health |
| Lot | | Received | 1/6/2020 |
| | | Completed | 1/9/2020 |

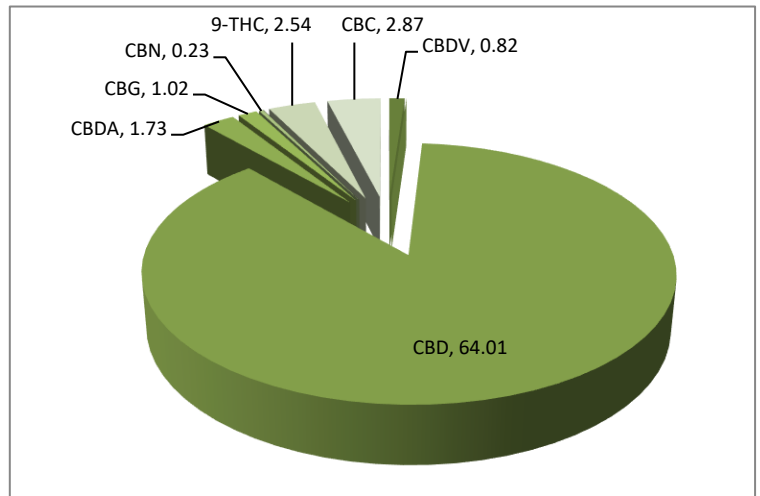
Cannabinoid Profile

| POTENCY | % w/w | mg/g |
|------------------|-------|--------|
| THC total | 2.54 | 25.40 |
| CBD total | 65.53 | 655.27 |

Cannabinoids

| | | |
|-------|-------|-------|
| CBDV | 0.82 | 8.2 |
| CBDVA | <LOD | <LOD |
| THCV | <LOD | <LOD |
| CBD | 64.01 | 640.1 |
| CBDA | 1.73 | 17.3 |
| CBG | 1.02 | 10.2 |
| THCVA | <LOD | <LOD |
| CBN | 0.23 | 2.3 |
| CBGA | <LOD | <LOD |
| 9-THC | 2.54 | 25.4 |
| 8-THC | <LOD | <LOD |
| CBL | <LOD | <LOD |
| CBNA | <LOD | <LOD |
| CBC | 2.87 | 28.7 |
| THCA | <LOD | <LOD |
| CBCA | <LOD | <LOD |

Total cannabinoids 73.22 732.2



Measured by HPLC/UV

ND: No Determined

<LOD: Below Limit of detection

THC Total = %THC+%THCA*0.877

CBD Total = %CBD+%CBDA*0.877

%MOISTURE OF THE SAMPLE

% MOISTURE DURING THE ANALYSIS



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Terpenes

| Analite | Units | LOQ | LOD | Results | Analite | LOQ | LOD | Results |
|--------------|-------|------|------|---------|---------------------|------|------|---------|
| a-Pinene | ppm | 0.05 | 0.01 | 1.22 | g-Terpinene | 0.05 | 0.01 | <LOD |
| Camphene | ppm | 0.05 | 0.01 | 18.34 | Terpinolene | 0.05 | 0.01 | <LOD |
| (-)-b-Pinene | ppm | 0.05 | 0.01 | <LOD | g-Eudesmol | 0.05 | 0.01 | 1755.50 |
| b-Myrcene | ppm | 0.05 | 0.01 | 90.46 | Linalool | 0.05 | 0.01 | 251.83 |
| a-Terpineol | ppm | 0.05 | 0.01 | 336.19 | Fenchol | 0.05 | 0.01 | 232.27 |
| b-Bisabolene | ppm | 0.05 | 0.01 | 418.09 | t-2-Pinanol | 0.05 | 0.01 | 189.49 |
| a-Bisabolene | ppm | 0.05 | 0.01 | 1553.79 | (-)-Isopulegol | 0.05 | 0.01 | 200.49 |
| a-Eudesmol | ppm | 0.05 | 0.01 | 174.82 | Geraniol | 0.05 | 0.01 | 496.33 |
| b-Eudesmol | ppm | 0.05 | 0.01 | 1146.70 | Cariophyllene | 0.05 | 0.01 | 1803.18 |
| 3-Carene | ppm | 0.05 | 0.01 | <LOD | Humulene | 0.05 | 0.01 | 680.93 |
| a-Terpinene | ppm | 0.05 | 0.01 | <LOD | Nerolidol 1 | 0.05 | 0.01 | 486.55 |
| p-Cymene | ppm | 0.05 | 0.01 | <LOD | Nerolidol 2 | 0.05 | 0.01 | 689.49 |
| d-Limonene | ppm | 0.05 | 0.01 | <LOD | Caryophyllene Oxide | 0.05 | 0.01 | 419.32 |
| Eucalyptol | ppm | 0.05 | 0.01 | <LOD | Guaiol | 0.05 | 0.01 | 1993.89 |
| b-Ocimene | ppm | 0.05 | 0.01 | <LOD | a-bisabolol | 0.05 | 0.01 | 2041.56 |

Measured by GC/MS

<LOD: Por debajo del límite de detección

Residual solvents

| Analite | Limit* | ppm | State | Analite | Limit* | ppm | State |
|-----------------|--------|-------|-------|--------------------|--------|-----|-------|
| Methanol | 3000 | ND | ✓ | Chlorophorm | | ND | ✓ |
| n-Pentane | 5000 | ND | ✓ | Cyclohexane | 3880 | ND | ✓ |
| Ethanol | 5000 | 27.43 | ✓ | Benzene | 2 | ND | ✓ |
| Ethyl eter | 5000 | ND | ✓ | 1,2-Dichloroethano | | ND | ✓ |
| Acetone | 5000 | ND | ✓ | n-Heptane | 5000 | ND | ✓ |
| 2-Propanol | 5000 | ND | ✓ | Trichloroetene | | ND | ✓ |
| Acetonitrile | 410 | ND | ✓ | Toluene | 890 | ND | ✓ |
| Dichloromethane | 600 | ND | ✓ | m-Xylene | 2170 | ND | ✓ |
| n-Hexane | 290 | ND | ✓ | p-Xylene | 2170 | ND | ✓ |
| Ethyl acetate | 5000 | ND | ✓ | o-Xylene | 2170 | ND | ✓ |

Measured by HS-GC/MS

* Residual Solvents limit in cannabis products by Health Canada 2019.

ND = No Detected(s)



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Heavy Metals

| Heavy Metal | Units | Result | LOD | LOQ | Limit* |
|--------------|-------|--------|--------|-------|--------|
| Arsenic (As) | mg/Kg | ND | 0.001 | 0.01 | 1.5 |
| Mercury (Hg) | mg/Kg | 0.025 | 0.001 | 0.01 | 3.0 |
| Lead (Pb) | mg/Kg | 0.173 | 0.0005 | 0.005 | 0.5 |
| Cadmum (Cd) | mg/Kg | ND | 0.0005 | 0.005 | 0.5 |

ND = No Detectada(s)

- Method by ICP/MS previous digestion by microwave
- Results apply for the samples received
- Reference METHOD: PE-106 / AOAC 2015.01

*USP 2232/Ph.Eur. 2.4.27. Chemical Tests / (232) Elemental Impurities—Limits 8065

Residual Pesticides

| Item | Units | Method | Result |
|-----------------|-------|---------|--------|
| Organochlorines | mg/Kg | MPA-300 | ND |
| Organophosphate | mg/Kg | MPA-300 | ND |
| Piretroids | mg/Kg | MPA-300 | ND |
| Carbamates | mg/Kg | MPA-300 | ND |
| Triazines | mg/Kg | MPA-300 | ND |
| Triazols | mg/Kg | MPA-300 | ND |

ND = No Detected(s)

Measured by GC/MSMS and LC/MSMS

- Reference Method: SANCO/02571/2013. Guidance document on analytical quality control for pesticides residues in food



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Microbiology

| Analysis | Result | Specification* |
|---|---------|----------------|
| <i>Escherichia coli</i> detection | Absence | Absence |
| Total Coliforms count | Absence | <100 UFC/g |
| <i>Staphylococcus aureus</i> coagulase positive count | Absence | Absence |
| Mold and yeast count | Absence | <1000 UFC/g |
| <i>Salmonella</i> spp. Detection | Absence | Absence |

* Method: Quality control methods for herbal material WHO. 2011

**Cannabis fluorescence for medical purposes:USP considerations for quality attributes (2020).

Micotoxins

| Item | Units | Result | Limit* |
|--------------|-------|--------|-------------------------------|
| Aflatoxin G1 | ug/Kg | <0.02 | Sum of B1,B2,G1,G2 <4.0 ug/Kg |
| Aflatoxin G2 | ug/Kg | <0.02 | |
| Aflatoxin B1 | ug/Kg | <0.02 | |
| Aflatoxin B2 | ug/Kg | <0.02 | |
| Ochratoxin A | ug/Kg | <0.08 | 5.0 ug/Kg |

●Reference Method: Muscarella et al. 2007 Method Validation according EC 2002/657/EC

●Reference Method: European Commission-SANCO/0895/2007.

[*2.8.18. Determination of aflatoxin B1 in herbal drugs -European Pharmacopoeia](#)



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