

Cannabis Testing Services 4711 N Lamon Ave. Ste. 14 Chicago, IL 60630 (872)-870-0500



Product Development (R&D)

Report Published: 06/15/2022

Client Name: Brave Horse

Address: 246 W 650 North La Porte, IN

46350

Phone: (312) 296-7900 Certificate Number: 4846 License Number: N/A

Sample Description: Bo's OatBites

Batch ID: None

Sample ID: 19-2205-36Sampling Method: SOP-SMPL-002Sample Type: Horse TreatsSampling Date: 05/12/2022



Results Summary

Potency

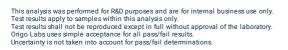
TESTED

Date Analyzed: 05/13/2022

Method Used: SOP_CANN_001









Cannabis Testing Services 4711 N Lamon Ave. Ste. 14 Chicago, IL 60630 (872)-870-0500

Potency



| Date Analyzed: 05/13/2022 | Date Completed: 05/13/2022 | Moisture Content (%): 0 |
|-------------------------------|-----------------------------------|---------------------------|
| Instrument: Agilent 1260 HPLC | Lab Tech: Landen Nickel | Unit Size (g): 2.9 |

| Cannabinoid | Result (%) | Result (mg/ g) | Result (mg/ unit) | Result (mg/ package) | LOD (%) | LOQ (%) | Relative Abundance |
|-----------------------|---------------|-------------------|----------------------|-------------------------|------------|------------|-----------------------|
| CBDVA | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| CBDV | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| CBDA | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| CBD | 2.166 | 21.658 | 62.807 | 62.807 | 0.0050 | 0.0100 | |
| THCVA | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| THCV | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| THCA | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| Δ9 THC | 0.012 | 0.124 | 0.359 | 0.359 | 0.0050 | 0.0100 | |
| Δ8 THC | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| CBN | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| CBCA | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| CBC | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| CBGA | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| CBG | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| Total THC | 0.012 | 0.124 | 0.359 | 0.359 | | | |
| Total CBD | 2.166 | 21.658 | 62.807 | 62.807 | | | |
| Total Cannabinoids | 2.178 | 21.781 | 63.166 | 63.166 | | | |

Total THC % = (THC% + (THCA% x 0.877)) / (1 - (THCA% + CBDA% + CBGA%) x 0.123) Total CBD % = (CBD% + (CBDA% x 0.877)) / (1 - (THCA% + CBDA% + CBGA%) x 0.123)

Total Cannabinoids = Sum of all cannabinoids without THC/CBD corrections.

LOD = Limit of Detection; **LOQ** = Limit of Quantitation; **ND** = Not Detected.

The reported result for each analyte includes a moisture content correction equal to: Base% / (1 - Moisture%) Relative Abundance represents the percentage of each analyte compared with the total cannabinoid content.

--- END OF REPORT ---





This analysis was performed for R&D purposes and are for internal business use only. Test results apply to samples within this analysis only. Test results shall not be reproduced except in full without approval of the laboratory. Origo Labs uses simple acceptance for all pass/fail results. Uncertainty is not taken into account for pass/fail determinations.



CERTIFICATE OF ANALYSIS

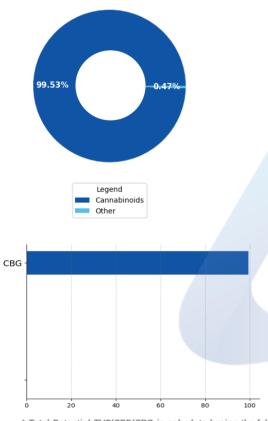
prepared for: Extract Labs 1399 Horizon Avenue Lafayette, CO 80026

CBG Isolate

| Batch ID: | I0261_CBG | Received: | 07/12/2022 | Analysis: | 18 Cannabinoid Potency |
|--------------|-----------|-----------|------------|------------|------------------------|
| Sample Type: | Isolate | Analyzed: | 07/13/2022 | Method: | 2021.18P.01 |
| | ' | Test ID: | 4368 | Equipment: | UHPLC |

CANNABINOID PROFILE

TOTAL CANNABINOID CONTENT



| Cannabinoid | LOD (%) | LOQ (%) | Result (%) | Result (mg/g) |
|-------------------------------------|----------|----------|-------------|---------------|
| Cannabidiol (CBD) | 4.29e-05 | 1.30e-04 | ND | ND |
| Cannabigerol (CBG) | 4.11e-05 | 1.25e-04 | 99.53 ± 2.7 | 995.27 |
| Δ9-Tetrahydrocannabinol (Δ9-THC) | 7.72e-05 | 2.34e-04 | ND | ND |
| Cannabacitran (CBT) | 3.95e-05 | 1.20e-04 | ND | ND |
| Cannabichromene (CBC) | 6.99e-05 | 2.12e-04 | ND | ND |
| Cannabinol (CBN) | 3.93e-05 | 1.19e-04 | ND | ND |
| Cannabicyclol (CBL) | 4.58e-05 | 1.39e-04 | ND | ND |
| Cannabicyclolic acid (CBLA) | 4.00e-05 | 1.21e-04 | ND | ND |
| Tetrahydrocannabivarin (THCV) | 4.04e-05 | 1.23e-04 | ND | ND |
| Δ8-Tetrahydrocannabinol (Δ8-THC) | 4.73e-05 | 1.43e-04 | ND | ND |
| Cannabinolic (CBNA) | 4.70e-05 | 1.42e-04 | ND | ND |
| Tetrahydrocannabivarin Acid (THCVA) | 3.66e-05 | 1.11e-04 | ND | ND |
| Cannabigerolic acid (CBGA) | 3.98e-05 | 1.21e-04 | ND | ND |
| Cannabidiolic acid (CBDA) | 4.15e-05 | 1.26e-04 | ND | ND |
| Cannabidivarin (CBDV) | 3.97e-05 | 1.20e-04 | ND | ND |
| Tetrahydrocannabinolic Acid (THCA) | 3.86e-05 | 1.17e-04 | ND | ND |
| Cannabichromenic acid (CBCA) | 3.99e-05 | 1.21e-04 | ND | ND |
| Cannabidivarinic Acid (CBDVA) | 3.99e-05 | 1.21e-04 | ND | ND |
| Total Cannabinoid** | | | 99.53 | 995.27 |
| Total Potential THC* | | | ND | ND |
| Total Potential CBD* | | | ND | ND |
| Total Potential CBG* | | | 99.53 ± 2.7 | 995.27 |

^{*} Total Potential THC/CBD/CBG is calculated using the following formulas to consider the loss of a carboxyl group during decarboxylation step.

REMARKS

Passed visual inspection for particulates, mold, mildew, and other foreign substances.

FINAL AUTHORIZATION

Alex Bujanow, Microbiologist 07/13/2022 03:54 PM

ANALYZED BY/DATE

Logan Cline, Director of Analytical Development 07/13/2022 04:01 PM

AUTHORIZED BY/DATE

John Reser, Quality Analyst 07/13/2022 04:03 PM

RELEASED BY/DATE

Laboratory results are based on the sample submitted to Minova Laboratories in the condition it was received. Minova Laboratories warrants that all analyses performed are in accordance with ISO/IEC 17025:2017. All data is generated using NIST traceable reference material and all reports are produced with the highest regard for scientific integrity. Reports can only be reproduced with the written consent of Minova Laboratories.







^{*} Total THC = THC + (THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877)) and Total CBG = CBG + (CBGa*(0.877))

^{**} Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

^{% = % (}w/w) = Percent (Weight of Analyte / Weight of Product)



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Certificate of Analysis

Report Published: 05/20/2022

Client Name: Brave Horse

Address: 246 W 650 North La Porte, IN

46350

Phone: (312) 296-7900 Certificate Number: 4849 License Number: N/A

Sample Description: CBD Oil/Isolate

Batch ID: None

Sample ID: 19-2205-39Sampling Method: SOP-SMPL-002Sample Type: OilSampling Date: 05/12/2022



Results Summary

Potency

TESTED

Date Analyzed: 05/13/2022

Method Used: SOP_CANN_001

Pesticides

PASS

Date Analyzed: 05/17/2022

Method Used: SOP_PEST_001

Mycotoxins

PASS

Date Analyzed: 05/17/2022

Method Used: SOP_MYCO_001

Heavy Metals

PASS

Date Analyzed: 05/17/2022

Method Used: SOP_HM_001

Residual Solvents

PASS

Date Analyzed: 05/19/2022

Method Used: SOP_RS_001

Microbial Impurities

PASS

Date Analyzed: 05/12/2022

Method Used: SOP_MICRO_001









Cannabis Testing Services 4711 N Lamon Ave. Ste. 14 Chicago, IL 60630 (872)-870-0500

Potency



| Date Analyzed: 05/13/2022 | | | • | Date Completed: 05/13/2022 | | | Moisture Content (%): 0 | |
|-------------------------------|--------|-------------|-------------|----------------------------|-----|-----|-------------------------|--|
| Instrument: Agilent 1260 HPLC | | | | Lab Tech: Landen Nickel | | | Unit Size (g): 0.4 | |
| Cannabinoid | Result | Result (mg/ | Result (mg/ | Result (mg/ | LOD | LOQ | Relative | |
| | (%) | g) | unit) | package) | (%) | (%) | Abundance | |

| Cannabinoid | Result (%) | Result (mg/ g) | Result (mg/ unit) | Result (mg/ package) | LOD (%) | LOQ (%) | Relative Abundance |
|-----------------------|---------------|-------------------|----------------------|-------------------------|------------|------------|-----------------------|
| CBDVA | ND | ND | ND | ND | 0.0500 | 0.1000 | |
| CBDV | ND | ND | ND | ND | 0.0500 | 0.1000 | |
| CBDA | ND | ND | ND | ND | 0.0500 | 0.1000 | |
| CBD | 9.819 | 98.194 | 39.278 | 5891.670 | 0.0500 | 0.1000 | |
| THCVA | ND | ND | ND | ND | 0.0500 | 0.1000 | |
| THCV | ND | ND | ND | ND | 0.0500 | 0.1000 | |
| THCA | ND | ND | ND | ND | 0.0500 | 0.1000 | |
| Δ9 THC | ND | ND | ND | ND | 0.0500 | 0.1000 | |
| Δ8 THC | ND | ND | ND | ND | 0.0500 | 0.1000 | |
| CBN | ND | ND | ND | ND | 0.0500 | 0.1000 | |
| CBCA | ND | ND | ND | ND | 0.0500 | 0.1000 | |
| CBC | ND | ND | ND | ND | 0.0500 | 0.1000 | |
| CBGA | ND | ND | ND | ND | 0.0500 | 0.1000 | |
| CBG | ND | ND | ND | ND | 0.0500 | 0.1000 | |
| Total THC | ND | ND | ND | ND | | | |
| Total CBD | 9.819 | 98.194 | 39.278 | 5891.670 | | | |
| Total Cannabinoids | 9.819 | 98.194 | 39.278 | 5891.670 | | | |

Total THC % = (THC% + (THCA% x 0.877)) / (1 - (THCA% + CBDA% + CBGA%) x 0.123) Total CBD % = (CBD% + (CBDA% x 0.877)) / (1 - (THCA% + CBDA% + CBGA%) x 0.123)

Total Cannabinoids = Sum of all cannabinoids without THC/CBD corrections.

LOD = Limit of Detection; **LOQ** = Limit of Quantitation; **ND** = Not Detected.

The reported result for each analyte includes a moisture content correction equal to: Base% / (1 - Moisture%) Relative Abundance represents the percentage of each analyte compared with the total cannabinoid content.









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Pesticides



PASS

Date Analyzed: 05/17/2022

Instrument: Agilent Ultivo LC-MS/MS

| Pesticide | Result (ppb) | LOD (ppb) | LOQ (ppb) | Limit (ppb) | Status |
|-------------------------|--------------|--------------|--------------|-------------|--------|
| Acephate | ND | 10.0000 | 50.0000 | 50 | Pass |
| Acetamiprid | ND | 1.0000 | 5.0000 | 10 | Pass |
| Aldicarb | ND | 5.0000 | 10.0000 | 20 | Pass |
| Bifenazate | ND | 0.5000 | 1.0000 | 20 | Pass |
| Bifenthrin | ND | 5.0000 | 5.0000 | 50 | Pass |
| Carbaryl | ND | 5.0000 | 5.0000 | 20 | Pass |
| Carbofuran | ND | 0.5000 | 1.0000 | 100 | Pass |
| Chlorantraniliprole | ND | 10.0000 | 20.0000 | 20 | Pass |
| Chlormequat Chloride | ND | 20.0000 | 40.0000 | 40 | Pass |
| Chlorpyrifos | ND | 5.0000 | 5.0000 | 10 | Pass |
| Chlofentezine | ND | 5.0000 | 10.0000 | 10 | Pass |
| Coumaphos | ND | 5.0000 | 5.0000 | 150 | Pass |
| Diazinon | ND | 0.5000 | 1.0000 | 50 | Pass |
| Dimethomorph I | ND | 5.0000 | 5.0000 | 50 | Pass |
| Dimethomorph II | ND | 1.0000 | 5.0000 | 50 | Pass |
| Ethoprophos | ND | 1.0000 | 5.0000 | 20 | Pass |
| Etofenprox | ND | 1.0000 | 1.0000 | 10 | Pass |
| Etoxazole | ND | 0.5000 | 1.0000 | 10 | Pass |
| Fenhexamid | ND | 5.0000 | 10.0000 | 20 | Pass |
| Fenpyroximate | ND | 0.5000 | 1.0000 | 15 | Pass |
| Fipronil | ND | 5.0000 | 5.0000 | 10 | Pass |
| Flonicamid | ND | 1.0000 | 5.0000 | 30 | Pass |
| | | | | | |

| Pesticide | Result (ppb) | LOD (ppb) | LOQ (ppb) | Limit (ppb) | Status |
|------------------------|-----------------|--------------|--------------|----------------|--------|
| Fludioxonil | ND | 5.0000 | 5.0000 | 10 | Pass |
| Hexythiazox | ND | 5.0000 | 5.0000 | 20 | Pass |
| Imidacloprid | ND | 1.0000 | 5.0000 | 20 | Pass |
| Kresoxim Methyl | ND | 5.0000 | 5.0000 | 10 | Pass |
| Metalaxyl | ND | 0.5000 | 1.0000 | 20 | Pass |
| Oxamyl I | ND | 1.0000 | 5.0000 | 50 | Pass |
| Permethrin | ND | 5.0000 | 10.0000 | 50 | Pass |
| Phosmet | ND | 5.0000 | 5.0000 | 40 | Pass |
| Piperonyl- butoxide | ND | 0.5000 | 1.0000 | 100 | Pass |
| Prallethrin | ND | 5.0000 | 10.0000 | 1000 | Pass |
| Pyridaben | ND | 0.5000 | 1.0000 | 10 | Pass |
| Spinetoram J | ND | 0.5000 | 1.0000 | 40 | Pass |
| Spinetoram L | ND | 5.0000 | 10.0000 | 40 | Pass |
| Spinosyn A | ND | 5.0000 | 5.0000 | 10 | Pass |
| Spinosyn D | ND | 5.0000 | 10.0000 | 10 | Pass |
| Spiromesifen | ND | 0.5000 | 1.0000 | 10 | Pass |
| Spirotetramat | ND | 5.0000 | 5.0000 | 10 | Pass |
| Spiroxamine | ND | 0.5000 | 1.0000 | 50 | Pass |
| Tebuconazole | ND | 5.0000 | 5.0000 | 50 | Pass |
| Thiacloprid | ND | 0.5000 | 1.0000 | 20 | Pass |
| Thiamethoxam | ND | 1.0000 | 5.0000 | 20 | Pass |
| Trifloxystrobin | ND | 0.5000 | 1.0000 | 10 | Pass |

Mycotoxins



PASS

Date Analyzed: 05/17/2022 Instrument: Agilent Ultivo LC-MS/MS

Date Completed: 05/19/2022 Lab Tech: Landen Nickel

Date Completed: 05/19/2022

Lab Tech: Landen Nickel

| Mycotoxins | Result (ppb) | LOD (ppb) | LOQ (ppb) | Limit (ppb) | Status |
|--------------|--------------|-----------|-----------|-------------|--------|
| Aflatoxin B1 | ND | 5.0000 | 10.0000 | 20 | Pass |
| Aflatoxin B2 | ND | 5.0000 | 10.0000 | 20 | Pass |
| Aflatoxin G1 | ND | 5.0000 | 10.0000 | 20 | Pass |
| Aflatoxin G2 | ND | 5.0000 | 10.0000 | 20 | Pass |
| Ochratoxin A | ND | 10.0000 | 10.0000 | 20 | Pass |









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Heavy Metals



PASS

Date Analyzed: 05/17/2022Date Completed: 05/19/2022Instrument: Agilent 7800 ICP-MSLab Tech: Malcolm Manning

| Heavy Metals | Result (ppb) | LOD (ppb) | LOQ (ppb) | Limit (ppb) | Status |
|---------------------|--------------|-----------|-----------|-------------|--------|
| Lead | ND | 0.7010 | 83.5000 | 1000 | Pass |
| Arsenic | ND | 2.2540 | 83.5000 | 1500 | Pass |
| Cadmium | ND | 1.1250 | 83.5000 | 500 | Pass |
| Mercury | ND | 4.1080 | 8.3500 | 3000 | Pass |
| Chromium | ND | 6.1460 | 83.5000 | 2000 | Pass |

Residual Solvents



PASS

Date Analyzed: 05/19/2022Date Completed: 05/19/2022Instrument: GC-MSLab Tech: Landen Nickel

| Residual Solvent | Result (ppm) | LOD (ppm) | LOQ (ppm) | Limit (ppm) | Status |
|--------------------|--------------|-----------|-----------|-------------|--------|
| Propane | ND | 25.0000 | 450.0000 | 5000 | Pass |
| Butane | ND | 25.0000 | 450.0000 | 5000 | Pass |
| Methanol | ND | 25.0000 | 1350.0000 | 3000 | Pass |
| Ethylene Oxide | ND | 7.5000 | 7.5000 | 50 | Pass |
| Pentane | ND | 25.0000 | 1050.0000 | 5000 | Pass |
| Ethanol | ND | 25.0000 | 1050.0000 | 5000 | Pass |
| Ethyl Ether | ND | 25.0000 | 1050.0000 | 5000 | Pass |
| Acetone | ND | 25.0000 | 1050.0000 | 5000 | Pass |
| Petroleum Ether | ND | 25.0000 | 131.0000 | 400 | Pass |
| Isopropyl Alcohol | ND | 25.0000 | 1050.0000 | 5000 | Pass |
| Methylene Chloride | ND | 270.0000 | 270.0000 | 600 | Pass |
| Hexane | ND | 25.0000 | 131.0000 | 290 | Pass |
| Ethyl Acetate | ND | 25.0000 | 1050.0000 | 5000 | Pass |
| Heptane | ND | 25.0000 | 1050.0000 | 5000 | Pass |
| Trichloroethene | ND | 36.0000 | 36.0000 | 80 | Pass |
| Toluene | ND | 25.0000 | 400.0000 | 890 | Pass |
| Total Xylenes | ND | 25.0000 | 977.0000 | 2070 | Pass |

Microbial Impurities (Quantitative)



PASS

Date Analyzed: 05/12/2022Date Completed: 05/19/2022Instrument: 3M PetrifilmLab Tech: Malcolm Manning

| Microbials (Quantitative) | Result (CFU/g) | Limit (CFU/g) | Status |
|-----------------------------|----------------|---------------|--------|
| Total Coliform Count | ND | 100 | Pass |
| Total BTGN Count | ND | 100 | Pass |
| Total Aerobic Content Count | ND | 10000 | Pass |
| Total Yeast and Mold Count | ND | 1000 | Pass |

TNTC = Too numerous to count.









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Microbial Impurities (Qualitative)



PASS

Date Analyzed: 05/12/2022 Instrument: 3M Petrifilm **Date Completed:** 05/19/2022 **Lab Tech:** Malcolm Manning

| Microbials (Qualitative) | Result | Limit | Status |
|--------------------------|--------------|----------|--------|
| STEC | Not Detected | Detected | Pass |
| Salmonella Spp. | Not Detected | Detected | Pass |

TNTC = Too numerous to count.

--- END OF REPORT ---









Cannabis Testing Services 4711 N Lamon Ave. Ste. 14 Chicago, IL 60630 (872)-870-0500



Product Development (R&D)

Report Published: 05/16/2022

Client Name: Brave Horse

Address: 246 W 650 North La Porte, IN

46350

Phone: (312) 296-7900 Certificate Number: 4847 License Number: N/A

Sample Description: Claire's CBD Dog Cookies

Batch ID: None

Sample ID: 19-2205-37 Sampling Method: SOP-SMPL-002
Sample Type: Dog Treats Sampling Date: 05/12/2022



Results Summary

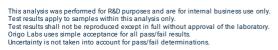
Potency

TESTED

Date Analyzed: 05/13/2022 Method Used: SOP_CANN_001









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Potency



| Date Analyzed: 05/13/2022 | Date Completed: 05/13/2022 | Moisture Content (%): 0 |
|-------------------------------|----------------------------|-------------------------|
| Instrument: Agilent 1260 HPLC | Lab Tech: Landen Nickel | Unit Size (g): 5.5 |
| | | |

| Cannabinoid | Result (%) | Result (mg/ g) | Result (mg/ unit) | Result (mg/ package) | LOD (%) | LOQ (%) | Relative Abundance |
|-----------------------|---------------|-------------------|----------------------|-------------------------|------------|------------|-----------------------|
| CBDVA | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| CBDV | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| CBDA | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| CBD | 0.320 | 3.197 | 17.583 | 17.583 | 0.0050 | 0.0100 | |
| THCVA | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| THCV | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| THCA | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| Δ9 THC | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| Δ8 ΤΗС | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| CBN | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| CBCA | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| CBC | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| CBGA | 0.011 | 0.112 | 0.615 | 0.615 | 0.0050 | 0.0100 | |
| CBG | ND | ND | ND | ND | 0.0050 | 0.0100 | |
| Total THC | ND | ND | ND | ND | | | |
| Total CBD | 0.320 | 3.197 | 17.583 | 17.583 | | | |
| Total Cannabinoids | 0.331 | 3.309 | 18.197 | 18.197 | | | |

Total THC % = (THC% + (THCA% x 0.877)) / (1 - (THCA% + CBDA% + CBGA%) x 0.123)
Total CBD % = (CBD% + (CBDA% x 0.877)) / (1 - (THCA% + CBDA% + CBGA%) x 0.123)

Total Cannabinoids = Sum of all cannabinoids without THC/CBD corrections.

LOD = Limit of Detection; **LOQ** = Limit of Quantitation; **ND** = Not Detected.

The reported result for each analyte includes a moisture content correction equal to: Base% / (1 - Moisture%) Relative Abundance represents the percentage of each analyte compared with the total cannabinoid content.

--- END OF REPORT ---



