

TEST REPORT ASC/61664

Customer: Medicanna Ltd
Unit 7
Bude Business Centre
Kings Hill Industrial Estate
Bude
Cornwall
EX23 8QN

Testing Facility: Advanced Chemistry and Research
SOCOTEC
Etwell Building
Bretby Business Park
Ashby Road
Burton Upon Trent
DE15 0YZ

Purchase Order Number: 20240214

Date Samples Received: 19 February 2024

Condition of Samples: Ambient and Satisfactory

Approved by:



Approver's name: Paul Walker

Job Title: Senior Technical & Development Specialist

Test Report Date: 29 February 2024

Sample and Method Descriptions

| Number of Samples Received | Matrix / Sample Description | Method ID | Description |
|----------------------------|-----------------------------|-----------|--|
| 5 | Oil | IHM | IHM – DETERMINATION OF CANNABINOIDS USING LC/MS/MS – The samples were diluted in solvent, spiked with a series of deuterated Cannabinoid internal standards and analysed by LC/MS/MS against a calibration of the requested Cannabinoids. |

Results

Table 3:

| | | |
|------------------------------------|---------------------------|------------------------------|
| Laboratory Sample Reference | | ASC/61664.003 |
| Customer Sample Reference | | Ethica CBD Oil 10% - Defence |
| UKAS | | NO |
| Method ID (ASC/SOP/xxx) | | IHM |
| Units | | mg/ml |
| Compound | Limit of Detection | Result |
| Δ8 THC | 0.001 | <0.001 |
| Δ9 THC | 0.001 | 0.021 |
| CBD | 0.4 | 117 |
| CBN | 0.001 | 0.002 |
| THCV | 0.001 | <0.001 |
| THCA-A | 0.001 | <0.001 |
| CBDV | 0.4 | 0.87 |
| CBG | 0.001 | <0.001 |
| CBC | 0.001 | 0.010 |
| CBDA | 0.001 | <0.001 |
| CBDVA | 0.001 | <0.001 |
| CBGA | 0.001 | <0.001 |
| CBNA | 0.001 | <0.001 |
| THCVA | 0.001 | <0.001 |

Δ8 THC – Delta 8-Tetrahydrocannabinol

Δ9 THC – Delta 9-Tetrahydrocannabinol

CBD - Cannabidiol

CBN - Cannabinol

THCV - Tetrahydrocannabivarin

THCA-A – Tetrahydrocannabinolic acid

CBDV - Cannabidivarin

CBG - Cannabigerol

CBC - Cannabichromene

CBDA – Cannabidiolic acid

CBDVA – Cannabidivarinic acid

CBGA – Cannabigerolic acid

CBNA – Cannabinolic acid

THCVA – Tetrahydrocannabivarinic acid

Quality Check Results

Table 6:
Calibration curve check

| | Calibration r2 | Pass/Fail (>0.995) |
|--------|----------------|--------------------|
| Δ8 THC | 0.999 | Pass |
| Δ9 THC | 0.999 | Pass |
| CBD | 0.999 | Pass |
| CBN | 0.999 | Pass |
| THCV | 0.999 | Pass |
| THCA-A | 0.999 | Pass |
| CBDV | 0.999 | Pass |
| CBG | 0.999 | Pass |
| CBC | 0.999 | Pass |
| CBDA | 0.999 | Pass |
| CBDVA | 0.999 | Pass |
| CBGA | 0.999 | Pass |
| CBNA | 0.999 | Pass |
| THCVA | 0.999 | Pass |

Table 7:
Instrument QC check @ 75ng/ml

| | AQC @ 75ng/ml | Pass/Fail (±20%) |
|--------|---------------|------------------|
| Δ8 THC | 79 | Pass |
| Δ9 THC | 75 | Pass |
| CBD | 74 | Pass |
| CBN | 74 | Pass |
| THCV | 76 | Pass |
| THCA-A | 76 | Pass |
| CBDV | 75 | Pass |
| CBG | 73 | Pass |
| CBC | 78 | Pass |
| CBDA | 76 | Pass |
| CBDVA | 77 | Pass |
| CBGA | 78 | Pass |
| CBNA | 78 | Pass |
| THCVA | 74 | Pass |

Quality Check Results

Table 8:
Instrument QC check @ 250ng/ml

| | AQC @ 250ng/ml | Pass/Fail ($\pm 20\%$) |
|----------------|----------------|--------------------------|
| $\Delta 8$ THC | 251 | Pass |
| $\Delta 9$ THC | 253 | Pass |
| CBD | 258 | Pass |
| CBN | 244 | Pass |
| THCV | 246 | Pass |
| THCA-A | 253 | Pass |
| CBDV | 252 | Pass |
| CBG | 238 | Pass |
| CBC | 253 | Pass |
| CBDA | 245 | Pass |
| CBDVA | 252 | Pass |
| CBGA | 247 | Pass |
| CBNA | 240 | Pass |
| THCVA | 248 | Pass |

END OF TEST REPORT