

## 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	<b>IHM – DETERMINATION OF CANNABINOIDS USING LC/MS/MS</b> – 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 2:

<b>Laboratory Sample Reference</b>		ASC/61664.002
<b>Customer Sample Reference</b>		Ethica CBD Oil 10% - Night
<b>UKAS</b>		NO
<b>Method ID (ASC/SOP/xxx)</b>		IHM
<b>Units</b>		mg/ml
<b>Compound</b>	<b>Limit of Detection</b>	<b>Result</b>
Δ8 THC	0.001	<0.001
Δ9 THC	0.001	0.020
CBD	0.4	108
CBN	0.001	0.002
THCV	0.001	<0.001
THCA-A	0.001	<0.001
CBDV	0.4	0.82
CBG	0.001	<0.001
CBC	0.001	0.008
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