

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 1:

Laboratory Sample Reference		ASC/61664.001
Customer Sample Reference		Ethica CBD Oil 10% - Day
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	0.018
CBD	0.4	107
CBN	0.001	0.002
THCV	0.001	<0.001
THCA-A	0.001	<0.001
CBDV	0.4	0.88
CBG	0.001	<0.001
CBC	0.001	0.006
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