

TEST REPORT ASC/60681

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: 20231117

Date Samples Received: 28 November 2023

Condition of Samples: Ambient and Satisfactory

Approved by:



Approver's name: Alex Rice

Job Title: Laboratory Manager

Test Report Date: 21 December 2023

Sample and Method Descriptions

Number of Samples Received	Matrix / Sample Description	Method ID	Description
2	Liquid gel	IHM	IHM – DETERMINATION OF CANNABINOIDS USING LC/MS/MS – The samples were extracted in solvents, 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/60681.001
Customer Sample Reference		MEDISG01
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	<0.001
CBD	0.01	3.9
CBN	0.001	<0.001
THCV	0.001	<0.001
THCA-A	0.001	<0.001
CBDV	0.001	0.015
CBG	0.01	0.65
CBC	0.001	<0.001
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

Results

Table 2:

Laboratory Sample Reference		ASC/60681.002
Customer Sample Reference		MEDISG02
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	<0.001
CBD	0.01	3.0
CBN	0.001	<0.001
THCV	0.001	<0.001
THCA-A	0.001	<0.001
CBDV	0.001	0.013
CBG	0.01	0.50
CBC	0.001	<0.001
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 3:
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 4:
Instrument QC check @ 75ng/ml

	AQC @ 75ng/ml	Pass/Fail (±20%)
Δ8 THC	72	Pass
Δ9 THC	76	Pass
CBD	76	Pass
CBN	74	Pass
THCV	71	Pass
THCA-A	76	Pass
CBDV	78	Pass
CBG	76	Pass
CBC	76	Pass
CBDA	72	Pass
CBDVA	78	Pass
CBGA	75	Pass
CBNA	74	Pass
THCVA	76	Pass

Quality Check Results

Table 5:
Instrument QC check @ 250ng/ml

	AQC @ 250ng/ml	Pass/Fail ($\pm 20\%$)
$\Delta 8$ THC	254	Pass
$\Delta 9$ THC	247	Pass
CBD	250	Pass
CBN	250	Pass
THCV	243	Pass
THCA-A	244	Pass
CBDV	248	Pass
CBG	246	Pass
CBC	248	Pass
CBDA	243	Pass
CBDVA	245	Pass
CBGA	240	Pass
CBNA	237	Pass
THCVA	238	Pass

END OF TEST REPORT