

Certificate of Analysis

No. 376 - 001

Medi Extract Eastern Cape (Pty) Ltd

Attn: Bertha De Carvalho
3 Hoof Street
Joubertina
Eastern Cape
6410
+27824685544

2023-10-25

Sample No: 3344496

Batch Number: The Been

Product Description: The Been

Sample Type: Flower

Date Manufactured: Oct-23

Date Received: 2023-10-09

Seal: Vacuum sealed 67 GSM bag

Condition: Good

Expiry date (if applicable): Dec-24

Analysis Start Date: 2023-10-09

Packaging: Vacuum sealed 67 GSM bag

CANNABINOIDS | HPLC-UV | DAB MONOGRAPH | DATE ANALYSED: 2023-10-11

Parameter	Method	Unit	Result
Cannabidiol (CBD)	VIN-05-M46/ Ph. Eur.2.2.29	wt%	0.1
Tetrahydrocannabinol (THCV)	VIN-05-M46/ Ph. Eur.2.2.29	wt%	0.0
Cannabidiol (CBD)	VIN-05-M46/ Ph. Eur.2.2.29	wt%	0.0
Cannabidiolic Acid (CBDA)	VIN-05-M46/ Ph. Eur.2.2.29	wt%	0.0
Cannabigerol (CBG)	VIN-05-M46/ Ph. Eur.2.2.29	wt%	0.3
Cannabinol (CBN)	VIN-05-M46/ Ph. Eur.2.2.29	wt%	0.0
Cannabigerolic Acid (CBGA)	VIN-05-M46/ Ph. Eur.2.2.29	wt%	0.6
Delta-9-Tetrahydrocannabinol (d9-THC)	VIN-05-M46/ Ph. Eur.2.2.29	wt%	0.2
Delta-8-Tetrahydrocannabinol (d8-THC)	VIN-05-M46/ Ph. Eur.2.2.29	wt%	0.0
Cannabichromene (CBC)	VIN-05-M46/ Ph. Eur.2.2.29	wt%	0.0
Tetrahydrocannabinolic Acid (THCA)	VIN-05-M46/ Ph. Eur.2.2.29	wt%	26.4
% THC Total *	VIN-05-M46/ Ph. Eur.2.2.29	wt%	23.4
% CBD Total*	VIN-05-M46/ Ph. Eur.2.2.29	wt%	0.0
% CBG Total*	VIN-05-M46/ Ph. Eur.2.2.29	wt%	0.8

Cannabinoids on flowers are reported on a dry basis

Caitlyn McCartney
Laboratory Manager - RP
VIN-05-M46,M70,M86

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TERPENES | GC-FID | DATE ANALYSED: 2023-10-12

Parameter	Method	Unit	Result	%Weight
Alpha-Bisabolol*	VIN-05-M72	mg/g	0.040	0.004
Alpha-Humulene*	VIN-05-M72	mg/g	1.249	0.1249
Alpha-Pinene*	VIN-05-M72	mg/g	0.499	0.0499
Alpha-Terpinene*	VIN-05-M72	mg/g	not detected	
Beta-Caryophyllene*	VIN-05-M72	mg/g	2.564	0.2564
Beta-Myrcene*	VIN-05-M72	mg/g	0.556	0.0556
Beta-Pinene*	VIN-05-M72	mg/g	0.676	0.0676
Camphene*	VIN-05-M72	mg/g	0.125	0.0125
Cis-Nerolidol*	VIN-05-M72	mg/g	0.211	0.0211
Delta-3-Carene*	VIN-05-M72	mg/g	not detected	
Gamma-Terpinene*	VIN-05-M72	mg/g	0.006	0.0006
Geraniol*	VIN-05-M72	mg/g	not detected	
Guaiol*	VIN-05-M72	mg/g	0.280	0.028
Isopulegol*	VIN-05-M72	mg/g	0.031	0.0031
Limonene*	VIN-05-M72	mg/g	4.071	0.4071
Linalool*	VIN-05-M72	mg/g	1.721	0.1721
Ocimene*	VIN-05-M72	mg/g	0.717	0.0717
Para-Cymene*	VIN-05-M72	mg/g	not detected	
Terpinolene*	VIN-05-M72	mg/g	0.023	0.0023
Total Nerolidol*	VIN-05-M72	mg/g	0.275	0.0275
Trans-Nerolidol*	VIN-05-M72	mg/g	0.063	0.0063
Total % Weight				1.3107

HEAVY METALS | ICP-MS | DATE ANALYSED: 2023-10-13

Parameter	Method	Unit	Specification	LOQ	Result
Mercury *	Ph.Eur.2.4.27	ppm	NMT 0.5ppm	< 0.05	<0.05
Lead *	Ph.Eur.2.4.27	ppm	NMT 5.0ppm	< 0.05	0.16
Arsenic *	Ph.Eur.2.4.27	ppm	NMT 3.0 ppm	< 0.01	0.14
Cadmium *	Ph.Eur.2.4.27	ppm	NMT 0.5ppm	< 0.01	0.12
Nickel *	-	ppm	N/A	-	<0.25
Zinc *	-	ppm	N/A	-	97.18



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 Laboratory Manager - RP
 VIN-05-M46,M70,M86

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 Distillery Road
 Stellenbosch
 7600
 Tel 021-8828866/7
 info@vinlab.com
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Confirmation:

The test was carried out in accordance with recognised GMP regulations and agreed specifications. Within the scope of the tests carried out, the present sample complies with the indicated specification. The test was carried out by a GMP certified and SAHPRA licensed facility.

FOREIGN MATTER | DATE ANALYSED: 2023-10-12

Parameter	Method	Unit	Specification	LOQ	Result
Foreign Matter *	Ph.Eur.2.8.2	%	<= 2% (m/m)	N/A	<2

Confirmation:

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TOTAL ASH | DATE ANALYSED: 2023-10-12

Parameter	Method	Unit	Specification	LOQ	Result
Total Ash Content *	Ph.Eur.2.4.16	%	<= 20%	N/A	10.29

Confirmation:

The test was carried out in accordance with recognised GMP regulations and agreed specifications. Within the scope of the tests carried out, the present sample complies with the indicated specification. The test was carried out by a GMP certified and SAHPRA licensed facility.

PESTICIDES | LC-MS/MS & GC-MS/MS | DATE ANALYSED: 2023-10-20

Parameter	Method	Unit	Specification	LOQ	Result
(E)-Chlorfenvinphos*	-	mg/kg	N/A	-	not detected
(Z)-Chlorfenvinphos*	-	mg/kg	N/A	-	not detected
2,4-Methoxychlor*	-	mg/kg	N/A	-	not detected
Acephate *	Ph.Eur.2.8.13	mg/kg	NMT 0.10	< 0.01	not detected
Alachlor *	Ph.Eur.2.8.13	mg/kg	NMT 0.05	< 0.01	not detected
Aldrin*	-	mg/kg	N/A	-	not detected
alpha-BHC*	-	mg/kg	N/A	-	not detected
alpha-Endosulfan*	-	mg/kg	N/A	-	not detected
Azinphos-ethyl*	Ph.Eur.2.8.13	mg/kg	NMT 0.10	< 0.01	not detected
Azinphos-methyl*	Ph.Eur.2.8.13	mg/kg	NMT 1.00	< 0.01	not detected
beta-BHC*	-	mg/kg	N/A	-	not detected
beta-Endosulfan*	-	mg/kg	N/A	-	not detected
Bromophos-ethyl *	Ph.Eur.2.8.13	mg/kg	NMT 0.05	< 0.01	not detected
Bromopropylate*	Ph.Eur.2.8.13	mg/kg	NMT 3.00	< 0.01	not detected
Chlorpyrifos*	-	mg/kg	N/A	-	not detected



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Laboratory Manager - RP
VIN-05-M46,M70,M86

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Chlorpyrifos-methyl *	Ph.Eur.2.8.13	mg/kg	NMT 0.10	< 0.01	not detected
Chlorthal - dimethyl *	Ph.Eur.2.8.13	mg/kg	NMT 0.01	< 0.01	not detected
cis-Chlordane*	-	mg/kg	N/A	-	not detected
cis-Permethrine*	-	mg/kg	N/A	-	not detected
Cyfluthrin-1*	-	mg/kg	N/A	-	not detected
Cyfluthrin-2*	-	mg/kg	N/A	-	not detected
Cyfluthrin-3*	-	mg/kg	N/A	-	not detected
Cyfluthrin-4*	-	mg/kg	N/A	-	not detected
Cypermethrin-1*	-	mg/kg	N/A	-	not detected
Cypermethrin-2*	-	mg/kg	N/A	-	not detected
Cypermethrin-3*	-	mg/kg	N/A	-	not detected
Cypermethrin-4*	-	mg/kg	N/A	-	not detected
delta-BHC*	-	mg/kg	N/A	-	not detected
Deltamethrin-1*	-	mg/kg	N/A	-	not detected
Deltamethrin-2*	-	mg/kg	N/A	-	not detected
Diazinon *	Ph.Eur.2.8.13	mg/kg	NMT 0.50	< 0.01	not detected
Dichlofluanid *	Ph.Eur.2.8.13	mg/kg	NMT 0.10	< 0.01	not detected
Dichlorvos *	Ph.Eur.2.8.13	mg/kg	NMT 1.00	< 0.01	not detected
Dieldrin *	-	mg/kg	N/A	-	not detected
Dimethoate*	-	mg/kg	N/A	-	not detected
Endosulfan ether*	-	mg/kg	N/A	-	not detected
Endrin *	Ph.Eur.2.8.13	mg/kg	NMT 0.05	< 0.01	not detected
Ethion *	Ph.Eur.2.8.13	mg/kg	NMT 2.00	< 0.01	not detected
Fenchlorphos*	-	mg/kg	N/A	-	not detected
Fenitrothion *	Ph.Eur.2.8.13	mg/kg	NMT 0.50	< 0.01	not detected
Fenpropathrin*	Ph.Eur.2.8.13	mg/kg	NMT 0.03	< 0.01	not detected
Fenthion*	Ph.Eur.2.8.13	mg/kg	NMT 0.05	< 0.01	not detected
Fonofos*	Ph.Eur.2.8.13	mg/kg	NMT 0.05	< 0.01	not detected
gamma-BHC (Lindane)*	Ph.Eur.2.8.13	mg/kg	NMT 0.60	< 0.01	not detected
Heptachlor*	Ph.Eur.2.8.13	mg/kg	NMT 0.05	< 0.01	not detected
Hexachlorobenzene *	Ph.Eur.2.8.13	mg/kg	NMT 0.10	< 0.01	not detected
lambda-Cyhalothrin*	Ph.Eur.2.8.13	mg/kg	NMT 1.00	< 0.01	not detected
Malaoxon *	-	mg/kg	N/A	-	not detected
Malathion*	-	mg/kg	N/A	-	not detected

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Mecarbam *	Ph.Eur.2.8.13	mg/kg	NMT 0.05	< 0.01	not detected
Methacrifos*	Ph.Eur.2.8.13	mg/kg	NMT 0.05	< 0.01	not detected
Methamidophos *	Ph.Eur.2.8.13	mg/kg	NMT 0.05	< 0.01	not detected
Methidathion *	Ph.Eur.2.8.13	mg/kg	NMT 0.20	< 0.01	not detected
Methoxychlor *	Ph.Eur.2.8.13	mg/kg	NMT 0.05	< 0.01	not detected
Mirex *	Ph.Eur.2.8.13	mg/kg	NMT 0.01	< 0.01	not detected
Monocrotophos *	Ph.Eur.2.8.13	mg/kg	NMT 0.10	< 0.01	not detected
o,p-DDD*	-	mg/kg	N/A	-	not detected
o,p-DDE*	-	mg/kg	N/A	-	not detected
o,p-DDT*	-	mg/kg	N/A	-	not detected
Omethoate *	-	mg/kg	N/A	-	not detected
p,p-DDD*	-	mg/kg	N/A	-	not detected
p,p-DDE*	-	mg/kg	N/A	-	not detected
p,p-DDT*	-	mg/kg	N/A	-	not detected
Paraoxon-Ethyl*	-	mg/kg	N/A	-	not detected
Parathion*	-	mg/kg	N/A	-	not detected
Parathion-methyl*	-	mg/kg	N/A	-	not detected
Pendimethalin *	Ph.Eur.2.8.13	mg/kg	NMT 0.50	< 0.01	not detected
Pentachlorothioanisole*	-	mg/kg	N/A	-	not detected
Permethrin-1*	-	mg/kg	N/A	-	not detected
Permethrin-2*	-	mg/kg	N/A	-	not detected
Phosalone *	Ph.Eur.2.8.13	mg/kg	NMT 0.10	< 0.01	not detected
Phosmet *	Ph.Eur.2.8.13	mg/kg	NMT 0.05	< 0.01	not detected
Piperonyl butoxide *	Ph.Eur.2.8.13	mg/kg	NMT 3.00	< 0.01	not detected
Pirimiphos ethyl *	Ph.Eur.2.8.13	mg/kg	NMT 0.05	< 0.01	not detected
Pirimiphos-methyl*	Ph.Eur.2.8.13	mg/kg	NMT 4.00	< 0.01	not detected
Procymidone *	Ph.Eur.2.8.13	mg/kg	NMT 0.10	< 0.01	not detected
Profenofos*	Ph.Eur.2.8.13	mg/kg	NMT 0.10	< 0.01	not detected
Prothiofos*	Ph.Eur.2.8.13	mg/kg	NMT 0.05	< 0.01	not detected
Quinalphos *	Ph.Eur.2.8.13	mg/kg	NMT 0.05	< 0.01	not detected
S-421 *	Ph.Eur.2.8.13	mg/kg	NMT 0.02	< 0.01	not detected
Tecnazene *	Ph.Eur.2.8.13	mg/kg	NMT 0.05	< 0.01	not detected
Tetradifon *	Ph.Eur.2.8.13	mg/kg	NMT 0.30	< 0.01	not detected
trans-Chlordane*	-	mg/kg	N/A	-	not detected

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trans-Permethrine*	-	mg/kg	N/A	-	not detected
Vinclozolin *	Ph.Eur.2.8.13	mg/kg	NMT 0.40	< 0.01	not detected

Subcontracted Analyses

Confirmation:

The test was carried out in accordance with recognised GMP regulations and agreed specifications. Within the scope of the tests carried out, the present sample complies with the indicated specification. The test was carried out by a GMP certified and SAHPRA licensed facility.

MICROBIOLOGICAL ANALYSIS – TAMC, TYMC, BILE TOLERANT GRAM-NEGATIVE COUNT, E. COLI, SALMONELLA | DATE ANALYSED: 2023-10-09

Parameter	Method	Unit	Specification	LOQ	Result
Total Aerobic Microbial Count *	Ph.Eur.2.6.12	cfu/g	<=200 cfu per g/ml	-	absent
Total Bile tolerant Gram-Negative Count	Ph.Eur.2.6.31	cfu/g	Absent per g/ml	-	absent
Total Yeast and Moulds *	Ph.Eur.2.6.12	cfu/g	<= 20 cfu per g/ml	-	17
Salmonella *	Ph.Eur.2.6.31	/10g	N/A	-	absent
E.Coli *	Ph.Eur.2.6.31	/g	N/A	-	absent

Confirmation:

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MICROBIOLOGICAL ANALYSIS – STAPHYLOCOCCUS AUREUS | DATE ANALYSED: 2023-10-09

Parameter	Method	Unit	Specification	LOQ	Result
S.aureus *	Ph.Eur.2.6.13	/g	Absent per g/ml	-	absent

Confirmation:

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Confirmation Statement:

I, hereby confirm that the sample(s) received have been analysed in compliance with the Contract Giver's product analysis methodology in accordance with the Technical Quality Agreement between both parties and in full compliance with the required SAHPRA GMP standards. Furthermore, I hereby confirm that Vinlab (Pty) Ltd is in possession of a valid SAHPRA license to perform the required analysis as stipulated in the Technical Quality Agreement.



H.Smit
Director



Caitlyn McCartney
Laboratory Manager - RP
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Appendix A - Photographs



Image 1 - Sample in packaging as received from client

Caitlyn McCartney
Laboratory Manager - RP
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