

Certificate of Analysis

No. 1039 - 001

Medi Extract Eastern Cape (Pty) Ltd

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

2024-04-26

Sample No: 3446289

COA on flowers is reported on a dry basis for
Cannabinoids, Toxins, Metals & Pesticides

Batch Number: Queen Curvee

Product Description: Queen Curvee

Sample Type: Flower

Date Manufactured: N/A

Expiry date (if applicable): OCT 2025

Date Received: 2024-04-10

Analysis Start Date: 2024-04-11

Seal: Sealed

Packaging: Sealed

Condition: Good

CANNABINOIDS | HPLC-UV/DAD | DAB MONOGRAPH | DATE ANALYSED: 2024-04-15

Parameter	Method	Unit	Result
Cannabidivarin (CBDV)	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	0.0
Tetrahydrocannabivarin (THCV)	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	0.0
Cannabidiol (CBD)	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	0.0
Cannabidiolic Acid (CBDA)	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	0.1
Cannabigerol (CBG)	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	0.1
Cannabinol (CBN)	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	0.0
Cannabigerolic Acid (CBGA)	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	0.5
Delta-9-Tetrahydrocannabinol (d9-THC)	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	1.7
Delta-8-Tetrahydrocannabinol (d8-THC)	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	0.0
Cannabichromene (CBC)	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	0.1
Tetrahydrocannabinolic Acid (THCA)	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	27.8
% THC Total *	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	26.1
% CBD Total*	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	0.1
% CBG Total*	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	0.5

AFLATOXINS | LC-MS/MS | DATE ANALYSED: 2024-04-11

Parameter	Method	Unit	Specification	LOQ	Result
Aflatoxin B1 *	Ph.Eur.2.8.18	ppb	NMT 2ppb	0.025	not detected

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

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Aflatoxin B2 *	-	ppb	N/A	-	not detected
Aflatoxin G1 *	-	ppb	N/A	-	not detected
Aflatoxin G2 *	-	ppb	N/A	-	not detected
Total Aflatoxins *	Ph.Eur.2.8.18	ppb	NMT 4ppb	0.025	not detected

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.

OCHRATOXIN A | LC-MS/MS | DATE ANALYSED: 2024-04-11

Parameter	Method	Unit	Specification	LOQ	Result
Ochratoxin A *	Ph.Eur.2.8.22	ppb	NMT 20ppb	0.025	not detected

Confirmation:

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TERPENES | GC-FID | DATE ANALYSED: 2024-04-19

Parameter	Method	Unit	Result	%Weight
Alpha-Bisabolol*	VIN-05-M72	mg/g	0.384	0.0384
Alpha-Humulene*	VIN-05-M72	mg/g	2.154	0.2154
Alpha-Pinene*	VIN-05-M72	mg/g	5.006	0.5006
Alpha-Terpinene*	VIN-05-M72	mg/g	0.004	0.0004
Beta-Caryophyllene*	VIN-05-M72	mg/g	3.320	0.332
Beta-Myrcene*	VIN-05-M72	mg/g	not detected	
Beta-Pinene*	VIN-05-M72	mg/g	2.448	0.2448
Camphene*	VIN-05-M72	mg/g	0.160	0.016
Cis-Nerolidol*	VIN-05-M72	mg/g	not detected	
Delta-3-Carene*	VIN-05-M72	mg/g	3.630	0.363
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	not detected	
Isopulegol*	VIN-05-M72	mg/g	0.057	0.0057
Limonene*	VIN-05-M72	mg/g	2.815	0.2815
Linalool*	VIN-05-M72	mg/g	2.400	0.24
Ocimene*	VIN-05-M72	mg/g	1.108	0.1108
Para-Cymene*	VIN-05-M72	mg/g	not detected	
Terpinolene*	VIN-05-M72	mg/g	0.034	0.0034

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VIN-05-M46,M70,M86

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Total Nerolidol*	VIN-05-M72	mg/g	0.202	0.0202
Trans-Nerolidol*	VIN-05-M72	mg/g	0.202	0.0202
Total % Weight				2.393

HEAVY METALS | ICP-MS | DATE ANALYSED: 2024-04-17

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	<0.05
Arsenic *	Ph.Eur.2.4.27	ppm	NMT 3.0 ppm	< 0.01	<0.01
Cadmium *	Ph.Eur.2.4.27	ppm	NMT 0.5ppm	< 0.01	<0.01
Nickel *	-	ppm	N/A	-	<0.35
Zinc *	-	ppm	N/A	-	89.66

Confirmation:

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FOREIGN MATTER | DATE ANALYSED: 2024-04-18

Parameter	Method	Unit	Specification	LOQ	Result
Foreign Matter *	Ph.Eur.2.8.2,11.4	%	<= 2% (m/m)	N/A	<2

Confirmation:

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TOTAL ASH | DATE ANALYSED: 2024-04-19

Parameter	Method	Unit	Specification	LOQ	Result
Total Ash Content *	Ph.Eur.2.4.16	%	<= 20%	N/A	10.79

Confirmation:

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PESTICIDES | LC-MS/MS | DATE ANALYSED: 2024-04-11

Parameter	Method	Unit	Specification	LOQ	Result
Acephate *	Ph.Eur.2.8.13	mg/kg	NMT 0.10	< 0.01	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
Boscalid *	-	mg/kg	N/A	-	not detected

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Bromophos-ethyl *	Ph.Eur.2.8.13	mg/kg	NMT 0.05	< 0.01	not detected
Chlorfenvinphos*	Ph.Eur.2.8.13	mg/kg	NMT 0.50	< 0.01	not detected
Chlorpyrifos-methyl *	Ph.Eur.2.8.13	mg/kg	NMT 0.10	< 0.01	not detected
Cinerin I*	-	mg/kg	N/A	-	not detected
Cinerin II*	-	mg/kg	N/A	-	not detected
Cyfluthrin*	Ph.Eur.2.8.13	mg/kg	NMT 0.10	< 0.01	not detected
Cypermethrin*	Ph.Eur.2.8.13	mg/kg	NMT 1.00	< 0.01	not detected
Deltamethrin *	Ph.Eur.2.8.13	mg/kg	NMT 0.50	< 0.01	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
Dimethoate*	-	mg/kg	N/A	-	not detected
Endosulfan*	Ph.Eur.2.8.13	mg/kg	NMT 3.00	< 0.01	not detected
Ethion *	Ph.Eur.2.8.13	mg/kg	NMT 2.00	< 0.01	not detected
Etrimphos *	Ph.Eur.2.8.13	mg/kg	NMT 0.05	< 0.01	not detected
Fenchlorphos-oxon*	-	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
Fensulfothion*	-	mg/kg	N/A	-	not detected
Fensulfothion-oxon*	-	mg/kg	N/A	-	not detected
Fensulfothion-oxon-sulfone*	-	mg/kg	N/A	-	not detected
Fensulfothion-sulfone*	-	mg/kg	N/A	-	not detected
Fenthion*	-	mg/kg	N/A	-	not detected
Fenthion-oxon*	-	mg/kg	N/A	-	not detected
Fenthion-oxon-sulfone*	-	mg/kg	N/A	-	not detected
Fenthion-oxon-sulfoxide*	-	mg/kg	N/A	-	not detected
Fenthion-sulfone*	-	mg/kg	N/A	-	not detected
Fenthion-sulfoxide*	-	mg/kg	N/A	-	not detected
Fenvalerate *	Ph.Eur.2.8.13	mg/kg	NMT 1.50	< 0.01	not detected
Flucytrinate *	Ph.Eur.2.8.13	mg/kg	NMT 0.05	< 0.01	not detected
Fluvalinate*	Ph.Eur.2.8.13	mg/kg	NMT 0.05	< 0.01	not detected
Fonophos *	Ph.Eur.2.8.13	mg/kg	NMT 0.05	< 0.01	not detected
Jasmolin I*	-	mg/kg	N/A	-	not detected
Jasmolin II*	-	mg/kg	N/A	-	not detected

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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
Mecarbam *	Ph.Eur.2.8.13	mg/kg	NMT 0.05	< 0.01	not detected
Methacriphos *	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
Monocrotophos *	Ph.Eur.2.8.13	mg/kg	NMT 0.10	< 0.01	not detected
Omethoate *	-	mg/kg	N/A	-	not detected
Paraoxon-Ethyl*	-	mg/kg	N/A	-	not detected
Paraoxon-Methyl*	-	mg/kg	N/A	-	not detected
Parathion ethyl*	-	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
Permethrin*	Ph.Eur.2.8.13	mg/kg	NMT 1.00	< 0.01	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
Pirimicarb *	-	mg/kg	N/A	-	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
Pyrethrin I*	-	mg/kg	N/A	-	not detected
Pyrethrin II*	-	mg/kg	N/A	-	not detected
Quinalphos *	Ph.Eur.2.8.13	mg/kg	NMT 0.05	< 0.01	not detected
Spinosad A*	-	mg/kg	N/A	-	not detected
Spinosad D*	-	mg/kg	N/A	-	not detected
Vinclozolin *	Ph.Eur.2.8.13	mg/kg	NMT 0.40	< 0.01	not detected

Confirmation:

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MICROBIOLOGICAL ANALYSIS – TAMC, TYMC, BILE TOLERANT GRAM-NEGATIVE COUNT, E. COLI, SALMONELLA | DATE ANALYSED: 2024-04-11

Parameter	Method	Unit	Specification	LOQ	Result
Total Aerobic Microbial Count *	Ph.Eur.2.6.12	cfu/g	<=200 cfu per g/ml	-	absent
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	-	absent
Salmonella *	Ph.Eur.2.6.31	/25g	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: 2024-04-11

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 Pharma (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



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Appendix A - Photographs



Image 1 - Sample in packaging as received from client



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