

# Certificate of Analysis

No. 960 - 001

Medi Extract Eastern Cape (Pty) Ltd

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

2024-04-04

Sample No: 3413963

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

Batch Number: Kosher kush

Product Description: Kosher kush

Sample Type: Flower

Date Manufactured: N/A

Expiry date (if applicable): Oct 2025

Date Received: 2024-03-07

Analysis Start Date: 2024-03-08

Seal: Sealed

Packaging: Sealed

Condition: Good

## CANNABINOIDS | HPLC-UV/DAD | DAB MONOGRAPH | DATE ANALYSED: 2024-03-14

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	0.0
Cannabigerol (CBG)	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	0.2
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	0.9
Delta-9-Tetrahydrocannabinol (d9-THC)	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	0.5
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	0.0
Tetrahydrocannabinolic Acid (THCA)	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	26.1
% THC Total *	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	23.4
% CBD Total*	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	0.0
% CBG Total*	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	1.0

## AFLATOXINS | LC-MS/MS | DATE ANALYSED: 2024-03-15

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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Vinlab Pharma (PTY) LTD  
Distillery Road  
Stellenbosch  
7600  
Tel 021-8828866/7  
pharma@vinlab.com  
www.vinlab.com



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: 2024-03-15

Parameter	Method	Unit	Specification	LOQ	Result
Ochratoxin A *	Ph.Eur.2.8.22	ppb	NMT 20ppb	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.

#### TERPENES | GC-FID | DATE ANALYSED: 2024-03-15

Parameter	Method	Unit	Result	%Weight
Alpha-Bisabolol*	VIN-05-M72	mg/g	0.075	0.0075
Alpha-Humulene*	VIN-05-M72	mg/g	0.551	0.0551
Alpha-Pinene*	VIN-05-M72	mg/g	0.482	0.0482
Alpha-Terpinene*	VIN-05-M72	mg/g	not detected	
Beta-Caryophyllene*	VIN-05-M72	mg/g	1.682	0.1682
Beta-Myrcene*	VIN-05-M72	mg/g	not detected	
Beta-Pinene*	VIN-05-M72	mg/g	0.594	0.0594
Camphene*	VIN-05-M72	mg/g	0.116	0.0116
Cis-Nerolidol*	VIN-05-M72	mg/g	not detected	
Delta-3-Carene*	VIN-05-M72	mg/g	1.078	0.1078
Gamma-Terpinene*	VIN-05-M72	mg/g	not detected	
Geraniol*	VIN-05-M72	mg/g	not detected	
Guaiol*	VIN-05-M72	mg/g	0.224	0.0224
Isopulegol*	VIN-05-M72	mg/g	0.025	0.0025
Limonene*	VIN-05-M72	mg/g	5.162	0.5162
Linalool*	VIN-05-M72	mg/g	1.497	0.1497
Ocimene*	VIN-05-M72	mg/g	3.191	0.3191
Para-Cymene*	VIN-05-M72	mg/g	not detected	
Terpinolene*	VIN-05-M72	mg/g	0.095	0.0095

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Total Nerolidol*	VIN-05-M72	mg/g	0.703	0.0703
Trans-Nerolidol*	VIN-05-M72	mg/g	0.703	0.0703
Total % Weight				1.6178

**HEAVY METALS | ICP-MS | DATE ANALYSED: 2024-03-13**

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	<0.05
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	-	<0.25
Zinc *	-	ppm	N/A	-	64.85

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: 2024-03-19**

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: 2024-03-15**

Parameter	Method	Unit	Specification	LOQ	Result
Total Ash Content *	Ph.Eur.2.4.16	%	<= 20%	N/A	11.70

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 | DATE ANALYSED: 2024-03-13**

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

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**MICROBIOLOGICAL ANALYSIS – TAMC, TYMC, BILE TOLERANT GRAM-NEGATIVE COUNT, E. COLI, SALMONELLA | DATE ANALYSED: 2024-03-08**

Parameter	Method	Unit	Specification	LOQ	Result
Total Aerobic Microbial Count *	Ph.Eur.2.6.12	cfu/g	<=200 cfu per g/ml	-	10
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	-	15
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: 2024-03-08**

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

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.

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



Caitlyn McCartney  
Laboratory Manager - RP  
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## Appendix A - Photographs



Image 1 - Sample in packaging as received from client

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Laboratory Manager - RP  
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