

Certificate of Analysis

No. 1352 - 001

Medi Extract Eastern Cape (Pty) Ltd

Attn: Bertha De Carvalho
3 Hoof Street
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2024-07-17

Sample No: 3506079

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

Batch Number: GORILLA GLUE

Product Description: GORILLA GLUE - 89grams

Sample Type: FLOWER

Date Manufactured: N/A

Expiry date (if applicable): JUNE 2025

Date Received: 2024-06-26

Analysis Start Date: 2024-06-27

Seal: SEALED

Packaging: SEALED

Condition: Good

CANNABINOIDS | HPLC-UV/DAD | DAB MONOGRAPH | DATE ANALYSED: 2024-07-11

Parameter	Method	Unit	Result
Cannabidiarin (CBDV)	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	0.0
Tetrahydrocannabivarian (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	0.2
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	0.8
Delta-9-Tetrahydrocannabinol (d9-THC)	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	0.7
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	0.0
Tetrahydrocannabinolic Acid (THCA)	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	24.1
% THC Total *	VIN-05-M46/ Ph. Eur.2.2.29	%w/w	21.8
% 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	0.9

AFLATOXINS | LC-MS/MS | DATE ANALYSED: 2024-07-11

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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No. 1352 - 001



Sample No: 3506079

Page: 1 of 7

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: 2024-07-11

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: 2024-06-28

Parameter	Method	Unit	Result	%Weight
Alpha-Bisabolol*	VIN-05-M72	mg/g	0.025	0.0025
Alpha-Humulene*	VIN-05-M72	mg/g	0.396	0.0396
Alpha-Pinene*	VIN-05-M72	mg/g	0.517	0.0517
Alpha-Terpinene*	VIN-05-M72	mg/g	0.128	0.0128
Beta-Caryophyllene*	VIN-05-M72	mg/g	1.050	0.105
Beta-Myrcene*	VIN-05-M72	mg/g	0.258	0.0258
Beta-Pinene*	VIN-05-M72	mg/g	0.644	0.0644
Camphene*	VIN-05-M72	mg/g	0.029	0.0029
Cis-Nerolidol*	VIN-05-M72	mg/g	not detected	
Delta-3-Carene*	VIN-05-M72	mg/g	1.970	0.197
Gamma-Terpinene*	VIN-05-M72	mg/g	0.088	0.0088
Geraniol*	VIN-05-M72	mg/g	not detected	
Guaiol*	VIN-05-M72	mg/g	0.255	0.0255
Isopulegol*	VIN-05-M72	mg/g	not detected	
Limonene*	VIN-05-M72	mg/g	0.412	0.0412
Linalool*	VIN-05-M72	mg/g	0.157	0.0157
Ocimene*	VIN-05-M72	mg/g	1.228	0.1228
Para-Cymene*	VIN-05-M72	mg/g	0.100	0.01
Terpinolene*	VIN-05-M72	mg/g	0.030	0.003

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VIN-05-M46,M70,M86

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Total Nerolidol*	VIN-05-M72	mg/g	0.434	0.0434
Trans-Nerolidol*	VIN-05-M72	mg/g	0.434	0.0434
Total % Weight*				0.8155

HEAVY METALS | ICP-MS | DATE ANALYSED: 2024-07-03

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	-	55.26

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: 2024-07-02

Parameter	Unit	Result
Foreign Matter *	%	<2

TOTAL ASH | DATE ANALYSED: 2024-07-05

Parameter	Method	Unit	Specification	LOQ	Result
Total Ash Content *	Ph.Eur.2.4.16	%	<= 20%	N/A	11.45

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: 2024-07-08

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
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

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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
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
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

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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: 2024-06-27

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	-	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: 2024-06-27

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



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

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Appendix A - Photographs



Image 1 - Sample in packaging as received from client

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

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Page: 7 of 7