

The Green Organic Dutchman Ltd.
1915 Jerseyville Rd. W
Building A
Jerseyville, ON L0R 1R0
CA

Client Account Number: A00799481EVN
Eurofins Quote Number: FS3YPH20002621

Eurofins Sample Number BV23AA4994-2	
Original Received Date:	11-Jul-2023
Description:	Gold Butter MAC, Post Irradiation, GMP
Lot Number:	001836/ sample-0003196
Containers Submitted:	1 Bag(Net Wt. 140.9g)
General Specification Reference: SPE-0000314, Version 9.0	

Analysis	Specification	Result	Unit
Total Aerobic Microbial Count	Max 200	<10	CFU/g
Method: Ph. Eur. 2.6.12 Analysis Date: 12-Jul-2023 to 15-Jul-2023			
Total Yeast and Mould Count	Max 20	<10	CFU/g
Method: Ph. Eur. 2.6.12 Analysis Date: 12-Jul-2023 to 17-Jul-2023			
Bile-Tolerant Gram Negative Bacteria	Absent	Absent	/1 g
Method: Ph. Eur. 2.6.13 Analysis Date: 12-Jul-2023 to 14-Jul-2023			
Escherichia coli	Absent	Absent	/1 g
Method: Ph. Eur. 2.6.31 Analysis Date: 12-Jul-2023 to 15-Jul-2023			
Salmonella species	Absent	Absent	/25 g
Method: Ph. Eur. 2.6.31 Analysis Date: 12-Jul-2023 to 15-Jul-2023			
Staphylococcus aureus	Absent	Absent	/1 g
Method: Ph. Eur. 2.6.13 Analysis Date: 12-Jul-2023 to 14-Jul-2023			
Pseudomonas aeruginosa	Absent	Absent	/1 g
Method: Ph. Eur. 2.6.13 Analysis Date: 12-Jul-2023 to 14-Jul-2023			

Analysis	Specification	Result	Unit
Escherichia coli O157	Absent	Absent	----
Method: MFLP-30 *			
Analysis Date: 12-Jul-2023 to 17-Jul-2023			
Enterobacteriaceae	Report	<10	CFU/g
Method: MFLP-09 *			
Analysis Date: 12-Jul-2023 to 17-Jul-2023			
Isolation of Listeria monocytogenes and other Listeria spp.	Absent	Absent	/25 g
Method: MFHPB-30 *			
Analysis Date: 12-Jul-2023 to 17-Jul-2023			
Isolation and Identification of Shigella spp.	Absent	Absent	----
Method: MFLP-25 *			
Analysis Date: 12-Jul-2023 to 17-Jul-2023			
Smell/Odour and Visual	Brown-green plant material with characteristic smell	Green Brown buds with Characteristic of cannabis flowers smell.	----
Method: DAB Monograph			
Analysis Date: 13-Jul-2023 to 13-Jul-2023			
Foreign Matter	Max 2% m/m stems, insects, vermin not present	0	%
Method: EXPTM719 Rev.00 (Ph. Eur. 2.8.2)			
Analysis Date: 12-Jul-2023 to 12-Jul-2023			
Loss on Drying	Max 10	6	%
Method: Ph. Eur. 2.2.32			
Analysis Date: 13-Jul-2023 to 14-Jul-2023			
Pesticide Residues			
Acephate	< 0.1	< 0.1	mg/kg
Alachlor	< 0.05	< 0.05	mg/kg
Aldrin and dieldrin (sum of)	< 0.05	< 0.05	mg/kg
Azinphos-ethyl	< 0.1	< 0.1	mg/kg
Azinphos-methyl	< 1.0	< 1.0	mg/kg
Bromophos-ethyl	< 0.05	< 0.05	mg/kg
Bromophos-methyl	< 0.05	< 0.05	mg/kg
Bromopropylate	< 3.0	< 3.0	mg/kg

Chlordane (sum of cis-, trans, and oxychlordane)	< 0.05	< 0.05	mg/kg
Chlorfenvinphos	< 0.5	< 0.5	mg/kg
Chlorpyrifos-ethyl	< 0.2	< 0.2	mg/kg
Chlorpyrifos-methyl	< 0.1	< 0.1	mg/kg
Chlorthal-dimethyl	< 0.01	< 0.01	mg/kg
Cyfluthrin (sum of)	< 0.1	< 0.1	mg/kg
lambda-Cyhalothrin	< 1.0	< 1.0	mg/kg
Cypermethrin and isomers (sum of)	< 1.0	< 1.0	mg/kg
DDT (sum of o,p'-DDE, p,p'-DDE, o,p'-DDT, p,p'-DDT, o,p'-TDE, and p,p'-TDE)	< 1.0	< 1.0	mg/kg
Deltamethrin	< 0.5	< 0.5	mg/kg
Diazinon	< 0.5	< 0.5	mg/kg
Dichlofluanid	< 0.1	< 0.1	mg/kg
Dichlorvos	< 1.0	< 1.0	mg/kg
Dicofol	< 0.5	< 0.5	mg/kg
Dimethoate and omethoate (sum of)	< 0.1	< 0.1	mg/kg
Dithiocarbamates (expressed as CS ₂)	< 2.0	< 2.0	mg/kg
Endosulfan (sum of isomers and endosulfan sulphate)	< 3.0	< 3.0	mg/kg
Endrin	< 0.05	< 0.05	mg/kg
Ethion	< 2.0	< 2.0	mg/kg
Etrimphos	< 0.05	< 0.05	mg/kg
Fenchlorophos (sum of fenchlorophos and fenchlorophos-oxon)	< 0.1	< 0.1	mg/kg
Fenitrothion	< 0.5	< 0.5	mg/kg
Fenpropathrin	< 0.03	< 0.03	mg/kg
Fensulfothion (sum of fensulfothion, fensulfothion-oxon, fensulfothion-oxon sulfone, and fensulfothion sulfone)	< 0.05	< 0.05	mg/kg

Fenthion (sum of fenthion, fenthion-oxon, fenthion-oxon sulfone, fenthion-oxon sulfoxide, fenthion sulfone, and fenthion-sulfoxide)	< 0.05	< 0.05	mg/kg
Fenvalerate	< 1.5	< 1.5	mg/kg
Flucythrinate	< 0.05	< 0.05	mg/kg
tau-Fluvalinate	< 0.05	< 0.05	mg/kg
Fonophos	< 0.05	< 0.05	mg/kg
Heptachlor (sum of heptachlor, cis-heptachlorepoxyde, and trans-heptachlorepoxyde)	< 0.05	< 0.05	mg/kg
Hexachlorbenzene	< 0.1	< 0.1	mg/kg
Hexachlorocyclohexane (sum of isomers, alpha-, beta-, delta-, and epsilon-)	< 0.3	< 0.3	mg/kg
Lindan (gamma-hexachlorocyclohexane)	< 0.6	< 0.6	mg/kg
Malathion and malaoxon (sum of)	< 1.0	< 1.0	mg/kg
Mecarbam	< 0.05	< 0.05	mg/kg
Methacriphos	< 0.05	< 0.05	mg/kg
Methamidophos	< 0.05	< 0.05	mg/kg
Methidathion	< 0.2	< 0.2	mg/kg
Methoxychlor	< 0.05	< 0.05	mg/kg
Mirex	< 0.01	< 0.01	mg/kg
Monocrotophos	< 0.1	< 0.1	mg/kg
Parathion-ethyl and paraoxon-ethyl (sum of)	< 0.5	< 0.5	mg/kg
Parathion-methyl and paraoxon-methyl (sum of)	< 0.2	< 0.2	mg/kg
Pendimethalin	< 0.5	< 0.5	mg/kg
Pentachloranisole	< 0.01	< 0.01	mg/kg
Permethrin and isomers (sum of)	< 1.0	< 1.0	mg/kg
Phosalone	< 0.1	< 0.1	mg/kg

Phosmet	< 0.05	< 0.05	mg/kg
Piperonyl butoxide	< 3.0	< 3.0	mg/kg
Pirimiphos-ethyl	< 0.05	< 0.05	mg/kg
Pirimiphos-methyl (sum of pirimiphos- methyl and N-desethyl- pirimiphos-methyl)	< 4.0	< 4.0	mg/kg
Procymidone	< 0.1	< 0.1	mg/kg
Profenophos	< 0.1	< 0.1	mg/kg
Prothiophos	< 0.05	< 0.05	mg/kg
Pyrethrum (sum of cinerin I, cinerin II, jasmolin I, jasmolin II, pyrethrin I, and pyrethrin II)	< 3.0	< 3.0	mg/kg
Quinalphos	< 0.05	< 0.05	mg/kg
Quintozene (sum of quintozene, pentachloraniline, and methyl pentachlorophenyl sulfide)	< 1.0	< 1.0	mg/kg
S-421	< 0.02	< 0.02	mg/kg
Tecnazene	< 0.05	< 0.05	mg/kg
Tetradifon	< 0.3	< 0.3	mg/kg
Vinclozolin	< 0.4	< 0.4	mg/kg

Method: Ph. Eur. 2.8.13

Analysis Date: 12-Jul-2023 to 18-Jul-2023

Determination of Aflatoxins

Aflatoxin B1	< 2	Not Detected (< 2)	ppb
Aflatoxins (B1 + B2 + G1 + G2)	< 4	Not Detected (< 4)	ppb

Method: Ph. Eur. 2.8.18

Analysis Date: 14-Jul-2023 to 17-Jul-2023

Determination of Ochratoxin A	NMT 20	Not Detected (< 20)	µg/kg
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Method: Ph. Eur. 2.8.22

Analysis Date: 14-Jul-2023 to 17-Jul-2023

Analysis	Specification	Result	Unit
Terpene Profiling			
alpha-Pinene	Report	0.0355	% (w/w)
Camphene	Report	0.0100	% (w/w)
beta-Pinene	Report	0.0633	% (w/w)
beta-Myrcene	Report	0.1536	% (w/w)
delta-3-Carene	Report	Not Detected	% (w/w)
alpha-Terpinene	Report	Not Detected	% (w/w)
p-Cymene	Report	Not Detected	% (w/w)
d-Limonene	Report	0.3698	% (w/w)
Ocimene	Report	0.0008	% (w/w)
gamma-Terpinene	Report	Not Detected	% (w/w)
Terpinolene	Report	Not Detected	% (w/w)
Linalool	Report	0.1172	% (w/w)
Isopulegol	Report	Not Detected	% (w/w)
Geraniol	Report	Not Detected	% (w/w)
beta-Caryophyllene	Report	0.3539	% (w/w)
alpha-Humulene	Report	0.1037	% (w/w)
Nerolidol	Report	0.0596	% (w/w)
Guaiol	Report	Not Detected	% (w/w)
alpha-Bisabolol	Report	0.0327	% (w/w)
alpha-Terpineol	Report	0.0400	% (w/w)
Method: EXPTM665, Rev.02 Analysis Date: 13-Jul-2023 to 14-Jul-2023			
Heavy Metals Analysis			
Assay: Cadmium	Max 1.0	< LOQ (< 0.1004)	ppm
Assay: Lead	Max 5.0	< LOQ (< 0.0998)	ppm
Assay: Total Mercury	Max 0.1	Not Detected < LOQ (< 0.0500)	ppm
Assay: Arsenic	Max. 0.8	< LOQ (< 0.1004)	ppm
Method: Ph. Eur. 2.4.27 Analysis Date: 12-Jul-2023 to 14-Jul-2023			

Analysis	Specification	Result	Unit
Cannabinoid Profiling			
Delta-9-tetrahydrocannabinol	Report	0.281	% (w/w)
Delta-9-tetrahydrocannabinol Acid	Report	23.708	% (w/w)
Total Delta-9-tetrahydrocannabinol	Report	23.988	% (w/w)
Cannabidiol	Report	Not Detected	% (w/w)
Cannabidiol Acid	Report	0.009	% (w/w)
Total Cannabidiol	< 1.0	0.009	% (w/w)
Cannabinol	Max. 1	0.004	% (w/w)
Method: EXPTM691, Rev.03 (DAB Monograph) Analysis Date: 14-Jul-2023 to 18-Jul-2023			
Identification A	Conforms to description of the monograph	The individual flower is approximately 5 to 10 mm long, sometimes short stemmed and consists of a hooded light green to green perianth, the 1 to 2 mm ovary, which may contain a small brown ovule and the brown style with 2 long and slim stigmas.	----
Method: DAB Monograph Analysis Date: 13-Jul-2023 to 13-Jul-2023			
Identification B	Conforms to description of the monograph	Conforms	----
Method: DAB Monograph Analysis Date: 12-Jul-2023 to 12-Jul-2023			

Analysis	Specification	Result	Unit
Identity (TLC Fingerprint)			
TLC Fingerprint	The fingerprint obtained must be similar to the fingerprint of the initial time point (T0)	Positive ID for THCA and CBD	----
Method: Ph. Eur. 2.2.29 (DAB Monograph, EXPTM712) Analysis Date: 14-Jul-2023 to 14-Jul-2023			
Total Ash	NMT 20	7	%
Method: Ph. Eur. 2.4.16 Analysis Date: 17-Jul-2023 to 17-Jul-2023			
Sample Compliance Assessment			
BV23AA4994-2 meets the requirement(s) for all listed test(s) where specifications were applied.			
Supplemental Information			
<p>Testing conducted at Eurofins Experchem Laboratories Inc., License number: LIC-SOFQM3XLLZ-2020-1.</p> <p>Attested and electronically signed for approval by Sohil Mana, the head of Eurofins Experchem Laboratories Inc.</p>			
Contracted Company: Eurofins BioPharma Product Testing (Toronto)			
Eurofins Biopharma Testing Toronto Inc., 1111 Flint Rd. Unit #36 North York, Ontario M3J 3C7 Canada EurofinsBPTTorontoCS@eurofins.com			

(* Method validation/transfer/verification has not been performed at Eurofins Laboratories (Toronto Site). Questions about this report should be directed to your project manager or the general email listed above.