

CERTIFICATE OF ANALYSIS (COA)

Medical Cannabis Inflorescences T20C4, 10g

Document No.:	COA-FP-FT20C4	Section:	QC	Page 1 of 3
Version:	03	Effective Date:	14-11-2022	

Product Name: Gaia Inflorescences, T20C4 Hybrid	Item code: F GA20
Batch Number: F-GA1222686	Sample lab-number: TOL-22-1878, TOL-22-1638

Batch size (Kg): 37.87 Units: 3787	Assay calculated by KF/LOD: LOD
Manufacturer: OLAM C. PRODUCTION	Manufacturing date: 18/12/2022
Sampling date: 03/11/2022, 25/12/2022	Expiry date: 12/2023
Storage conditions: RT	COA No.: 0043-23
Stability interval\ conditions (if applicable): NA	
Date of analysis: 26/12/2022, 10/11/2022, 13/11/2022, 01/01/2023 (COA date)	

Test	Specifications	Results	Units	Method	Conclusion Pass/Fail	Testing Site
Appearance	Brown to green clustered flowers	Complies	NA	Visual Inspection TO-LAB-21	Pass	Tikun-Olam
Fineness	No leaves shooting out more than 10% of the length of the flowers	Complies	NA	Visual Inspection TO-LAB-21	Pass	Tikun-Olam
Identification	The retention time of the main observed cannabinoids conforms to standard	Complies	NA	HPLC	Pass	Tikun-Olam

Assay of Cannabinoids by HPLC (calculated on dried basis)

Cannabidiolic Acid (CBDA)	For Information Only	<0.1	%	In house procedure (TO-LAB-40.14) According to Ph. Eur 2.2.46 / USP 621 requirements		Tikun-Olam
Cannabidiol (CBD)		<0.1	%			
tCBD ¹		<0.1	%		Pass	
Tetrahydrocannabinol Acid (THCA)	For Information Only	26.8	%			
Tetrahydrocannabinol (THC ^{Δ9})		0.7	%			
tTHC ²		24	%		Pass	
Cannabichromenic Acid (CBCA)	For Information Only	0.4	%			
Cannabichromene (CBC)		ND	%			
Cannabigerolic Acid (CBGA)		0.3	%			
Cannabigerol (CBG)		<0.1	%			
Cannabidivarin (CBDV)		ND	%			

¹ tCBD = 0.877*[CBDA] + [CBD]

² tTHC = 0.877*[THCA] + [THC]

TIKUNOLAM MEDICAL CANNABIS		CERTIFICATE OF ANALYSIS (COA) Medical Cannabis Inflorescences T20C4, 10g		
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Tetrahydrocannabivarin (THCV)		ND	%			
Delta-8 Tetrahydrocannabinol (THC ^{Δ8})		ND	%			
Cannabinol (CBN)		N.M.T 1.5	<0.1		%	
Foreign Matter Test	Absence of pests. N.M.T. 2% m/m from plant origin and other foreign material.	Complies	NA	Visual Inspection TO-LAB-20	Pass	Tikun-Olam
Loss on Drying	6-14	14	%	In house procedure (TO-LAB-40.09) based on Ph. Eur. 2.2.32	Pass	Tikun-Olam
Karl Fischer	6-14	NA	%	In house procedure (TO-LAB-40.10) according to Ph. Eur. 2.5.12/ USP 291	NA	NA
Heavy Metals						
Arsenic (As)	N.M.T 2.5	<0.5	ppm	ICP-MS	Pass	Bactochem
Cadmium (Cd)	N.M.T 0.5	<0.1	ppm		Pass	
Mercury (Hg)	N.M.T 0.1	<0.1	ppm		Pass	
Nickel (Ni)	Indicative	<0.5	ppm			
Lead (Pb)	N.M.T 5.0	<1.0	ppm		Pass	
Zinc (Zn)	Indicative	64.602	ppm			
Pesticides Residues						
Pesticides Residues	According to 152 SOP	ND	mg/kg	GC\MS LC\MS	Pass	Bactochem
Microbiology						
Total Aerobic Microbial Count (TAMC)	N.M.T 20,000	<1000	CFU/g	Ph. Eur 2.6.12/ USP <61>	Pass	Institute For Food Microbiology
Total Yeasts and Molds Count (TYMC)	N.M.T 2,000	<100	CFU/g	Ph. Eur 2.6.12/ USP <61>	Pass	
E.coli	N.M.T 20	ND	CFU/g	Ph. Eur 2.6.13/ USP <62>	Pass	
Salmonella	Negative	ND	NA	Ph. Eur 2.6.13/ USP <62>	Pass	
Enterobacteriaceae ³	N.M.T 20	ND	CFU/g	Ph. Eur 2.6.13/ USP <62>	Pass	
Staphylococcus aureus	Negative	ND	NA	Ph. Eur 2.6.13/ USP <62>	Pass	

³ Bile Tolerance Presence

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Pseudomonas aeruginosa	Negative	ND	NA	Ph. Eur 2.6.13/ USP <62>	Pass	
Mycotoxins						
Ochratoxin A	N.M.T 2	ND	µg/kg	HPLC	Pass	Bactochem
Aflatoxin - B1	N.M.T 2	ND	µg/kg		Pass	
Total-Aflatoxins (B1, B2, G1, G2)	N.M.T 4	ND	µg/kg		Pass	

All tests comply with current specification SPC-FP-F-T20C4.

Documentation reference:

TO-LAB-20-02
TO-LAB-21-02
COA 1550-22
COA 970336
COA 969633
COA 22-624087/007
COA 986261

Approved by:

Tsiona Nehemia, Analytical Laboratory Manager (Hen Nehemia, Authorized Laboratory Technician)

Date: 09.11.2023

Reviewed and authorized by:

Elinor Cohen, Quality Assurance Manager / Shani Carmi, Head Pharmacist, QP / Reem Odi, Pharmacist, CQP

Date: 09/11/2023

Approvals:

	Name	Title	Signature	Date
Approved by:	Tsiona Nehemia	Lab Manager	**Signed_Electronically**	09-11-2022 16:49
Approved by:	Elinor Cohen	QA Manager	**Signed_Electronically**	09-11-2022 19:13