

TIKUNOLAM MEDICAL CANNABIS	CERTIFICATE OF ANALYSIS (COA)			
	Medical Cannabis Oil T20C4, 10g			
Form No.:	COA-FP-OT20C4	Section:	QC	Page 1 of 3
Version No.:	01	Valid on:	11.05.2022	

Product Name: Jungle Dreams Oil T20C4	Item code: OC20JND
Batch Number: COJND0123767	Sample lab-number: TOL-23-016, TOL-23-032

Batch size (Kg): 2.91	Units: 291	Excipients: Olive Oil
Manufacturer: OLAM C. PRODUCTION		Manufacturing date: 03/01/2023
Sampling date: 03/01/2023, 09/01/2023		Expiry date: 07/2023
Storage conditions: RT		COA No.: 0105-23
Stability interval\ conditions (if applicable): NA		
Date of analysis: 04/01/2023, 10/01/2023, 15/01/2023, 17/01/2023, 19/01/2023 (COA date)		

Test	Specifications	Results	Units	Method	Conclusion Pass\Fail	Testing Site
Appearance	Greenish or yellow to brown liquid	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 TO-LAB-40.14	Pass	Tikun-Olam
Assay of Cannabinoids by HPLC (as is)						
Cannabidiolic Acid (CBDA)	For Information Only	<0.1	%	HPLC In house procedure (TO-LAB-40.14) According to Ph. Eur 2.2.46 / USP 621 requirements	Pass	Tikun-Olam
Cannabidiol (CBD)		2.6	%			
tCBD ¹	0-7	3	%			
Tetrahydrocannabinol Acid (THCA)	For Information Only	0.3	%			
Tetrahydrocannabinol (THC ^{Δ9})		23.4	%			
tTHC ²	16-24	24	%			
Cannabichromenic Acid (CBCA)	For Information Only	ND	%			
Cannabichromene (CBC)		0.4	%			
Cannabigerolic Acid (CBGA)		<0.1	%			
Cannabigerol (CBG)		0.4	%			
Cannabidivarin (CBDV)		ND	%			
Tetrahydrocannabivarin (THCV)		0.1	%			
Delta-8 Tetrahydrocannabinol (THC ^{Δ8})		ND	%			
Cannabinol (CBN)	N.M.T 1.5	0.4	%	Pass		

$$^1 \text{tCBD} = 0.877 * [\text{CBDA}] + [\text{CBD}]$$

$$^2 \text{tTHC} = 0.877 * [\text{THCA}] + [\text{THC}]$$

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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	23.396	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 200	<100	CFU/g	Ph. Eur 2.6.12/ USP <61>	Pass	Institute For Food Microbiology
Total Yeasts and Molds Count (TYMC)	N.M.T 20	<10	CFU/g	Ph. Eur 2.6.12/ USP <61>	Pass	
E.coli	Negative	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	Negative	ND	NA	Ph. Eur 2.6.13/ USP <62>	Pass	
Staphylococcus aureus	Negative	ND	NA	Ph. Eur 2.6.13/ USP <62>	Pass	
Pseudomonas aeruginosa	Negative	ND	NA	Ph. Eur 2.6.13/ USP <62>	Pass	
Mycotoxins						
Ochratoxin A	N.M.T 0.5	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	
Residual Solvents						
Ethanol	N.M. T 5000	1330	ppm	GC In house procedure (TO-LAB- 40.11) according to Ph. Eur Ph. Eur 50400/USP 467 requirements	Pass	Tikun-Olam

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

³ Bile Tolerance Presence

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Documentation reference:

TO-LAB-21-03
COA 0035-23
COA 991946
COA 990260
COA 23-628618/001
COA 991186
TO-LAB-04-11

Approved by:

Tsiona Nehemia, Analytical Laboratory Manager / Hen Nehemia, Authorized Laboratory Technician

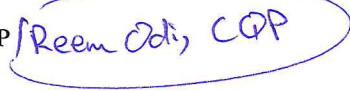
 Date: 22.01.2023

Reviewed and authorized by:



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

ר"ם עודה
תפקיד
3-155727.1.0

Date: 22/01/2023



Approvals:

Department	Name	Signature	Date
Quality Control	Hen Nehemia		04.05.2022
Quality Assurance	Elinor Cohen		08/05/2022