

TIKUN OLAM 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: ZOT20C4BLDJ
Batch Number: COBLD0522012	Sample lab-number: TOL-22-780, TOL-22-870

Batch size (Kg): 7.77	Units: 777	Excipients: Olive Oil
Manufacturer: Tikun-Olam Production		Manufacturing date: 26/05/2022
Sampling date: 26/05/2022		Expiry date: 11/2022
Storage conditions: RT		COA No.: 0554-22
Stability interval\ conditions (if applicable): NA		
Date of analysis: 29/05/2022, 19/06/2022, 20/06/202, 23/06/2022, 26/06/2022 (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	ND	%	HPLC In house procedure (TO-LAB-40.14) According to Ph. Eur 2.2.46 / USP 621 requirements	Pass	Tikun-Olam
Cannabidiol (CBD)		2	%			
tCBD ¹	0-7	2	%			
Tetrahydrocannabinol Acid (THCA)	For Information Only	0.5	%			
Tetrahydrocannabinol (THC ^{Δ9})		22.9	%			
tTHC ²	16-24	23	%			
Cannabichromenic Acid (CBCA)	For Information Only	<0.1	%			
Cannabichromene (CBC)		0.3	%			
Cannabigerolic Acid (CBGA)		0.1	%			
Cannabigerol (CBG)		0.5	%			
Cannabidivarin (CBDV)		ND	%			
Tetrahydrocannabivarin (THCV)		0.1	%			
Delta-8 Tetrahydrocannabinol (THC ^{Δ8})		<0.1	%			
Cannabinol (CBN)		N.M.T 1.5	0.3	%		

¹ tCBD = 0.877*[CBDA] + [CBD]

² tTHC = 0.877*[THCA] + [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	<10.0	ppm			
Pesticides Residues						
Pesticides Residues	According to 152 SOP	ND	mg/kg	GCMS LCMS	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	1360	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 0463-22 COA 919061 COA 919014 COA 22-568268 COA 918622 TO-LAB-04-11
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Approved by:

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



_____ Date: 26.06.2022

Reviewed and authorized by:

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

שני סרמי
רוקחת אחראית
מ.ג. 6218
Date: 26/06/2022

Approvals:

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