

TIKUN <sup>®</sup> 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: Jerusalem Oil T20C4	Item code: OC20JRS
Batch Number: COJRS0622095	Sample lab-number: TOL-22-967, TOL-22-991

Batch size (Kg): 8.51	Units: 851	Excipients: Olive Oil
Manufacturer: Tikun-Olam Production		Manufacturing date: 28/06/2022
Sampling date: 28/06/2022, 05/07/2022		Expiry date: 12/2022
Storage conditions: RT		COA No.: 0684-22
Stability interval\ conditions (if applicable): NA		
Date of analysis: 30/06/2022, 06/07/2022, 12/07/2022, 14/07/2022, 20/07/2022 (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
<b>Assay of Cannabinoids by HPLC (as is)</b>						
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)		3.9	%			
tCBD <sup>1</sup>	0-7	4	%			
Tetrahydrocannabinol Acid (THCA)	For Information Only	1.3	%			
Tetrahydrocannabinol (THC <sup>Δ9</sup> )		21.4	%			
tTHC <sup>2</sup>	16-24	23	%			
Cannabichromenic Acid (CBCA)	For Information Only	ND	%			
Cannabichromene (CBC)		0.5	%			
Cannabigerolic Acid (CBGA)		0.2	%			
Cannabigerol (CBG)		0.4	%			
Cannabidivarin (CBDV)		ND	%			
Tetrahydrocannabivarin (THCV)		0.1	%			
Delta-8 Tetrahydrocannabinol (THC <sup>Δ8</sup> )		<0.1	%			
Cannabinol (CBN)		N.M.T 1.5	0.3	%		

<sup>1</sup> tCBD = 0.877\*[CBDA] + [CBD]

<sup>2</sup> tTHC = 0.877\*[THCA] + [THC]

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<b>Heavy Metals</b>						
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			
<b>Pesticides Residues</b>						
Pesticides Residues	According to 152 SOP	ND	mg/kg	GCMS LCMS	Pass	Bactochem
<b>Microbiology</b>						
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 <sup>3</sup>	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	
<b>Mycotoxins</b>						
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	
<b>Residual Solvents</b>						
Ethanol	N.M. T 5000	1340	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.

<sup>3</sup> Bile Tolerance Presence

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Documentation reference:

TO-LAB-21-03  
 COA 0589-22  
 COA 925339  
 COA 924554  
 COA 22-575130/003  
 COA 927238  
 TO-LAB-04-11

Approved by:

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



 Date: 21.07.2022

Reviewed and authorized by:

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

 Date: 24/07/2022

Approvals:

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