

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: Megido Oil T20C4	Item code: OC20MGI
Batch Number: COMGI0423101	Sample lab-number: TOL-23-353, TOL-23-379

Batch size (Kg): *	Units: *	Excipients: Olive Oil
Manufacturer: OLAM C. PRODUCTION		Manufacturing date: 27/04/2023
Sampling date: 27/04/2023, 04/05/2023		Expiry date: 01/2024
Storage conditions: RT		COA No.: 0535-23
Stability interval\ conditions (if applicable): NA		
Date of analysis: 30/04/2023, 11/05/2023, 14/05/2023, 16/05/2023, 21/05/2023, 22/05/2023 (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
<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)		4.4	%			
tCBD <sup>1</sup>	0-7	4	%			
Tetrahydrocannabinol Acid (THCA)	For Information Only	ND	%			
Tetrahydrocannabinol (THC <sup>Δ9</sup> )		22.5	%			
tTHC <sup>2</sup>	16-24	23	%			
Cannabichromenic Acid (CBCA)	For Information Only	ND	%			
Cannabichromene (CBC)		0.6	%			
Cannabigerolic Acid (CBGA)		<0.1	%			
Cannabigerol (CBG)		0.5	%			
Cannabidivarin (CBDV)		ND	%			
Tetrahydrocannabivarin (THCV)		0.1	%			
Delta-8 Tetrahydrocannabinol (THC <sup>Δ8</sup> )		ND	%			
Cannabinol (CBN)		N.M.T 1.5	1.1			

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

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

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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	<10.0	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 <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	
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.

<sup>3</sup> Bile Tolerance Presence

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Documentation reference:

TO-LAB-21-03 COA 0485-23 COA 1024960 COA 1022611 COA 23-663534/001 COA 1023660 TO-LAB-04-11  * As documented in MBR
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Approved by:

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

[Signature] Date: 22.05.2023

Reviewed and authorized by:

Elinor Cohen, Quality Assurance Manager / Shani Carmi, Head Pharmacist, QP / Yotam Hamdi, Pharmacist & QA, cQP

[Signature] Date: 22.05.2023

Approvals:

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