

TIKUN [®] OLAM MEDICAL CANNABIS	CERTIFICATE OF ANALYSIS (COA)		
	Medical Cannabis Inflorescences T15C3 Sativa, 10g – ANTARCTICA Item code: FANT15		
Form No.:	COA-FP-FANT15	Section:	QC
Version No.:	01	Valid on:	21.7.2021

Batch Number: F-ANT0621322	Sample lab-number: TOL-21-838, TOL-21-699
Batch size (Kg): 32.88 Units: 3288	Sampling date: 30/05/2021, 29/06/2021
Manufacturer: Tikun-Olam Production	Manufacturing date: 28/06/2021
Storage conditions: RT	Expiry date: 12/2021
Date of analysis: 30/06/2021, 08/06/2021, 10/06/2021, 11/07/2021 (COA date)	COA No.: 0257-21
Growing Batch No.: NKGANTB050121	Licensed Grower: קנביט אגרו בע"מ
Harvest month: 04/2021	Processing month: 05/2021
Stability interval\ conditions (if applicable): NA	

Batch Number: F-ANT0621322			Sample lab-number: TOL-21-838, TOL-21-699			
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
Finesness	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	0.04	%	HPLC	Tikun-Olam	
Cannabidiol (CBD)		<0.08	%			
tCBD ¹	0-5.5	<0.1	%			Pass
Tetrahydrocannabinol Acid (THCA)	For Information Only	19.8	%			
Tetrahydrocannabinol (THC ^{Δ9})		0.9	%			
tTHC ²	11-19	18	%			Pass
Cannabichromenic Acid (CBCA)	For Information Only	0.4	%			
Cannabichromene (CBC)		0.04	%			
Cannabigerolic Acid (CBGA)		0.7	%			

¹ tCBD = 0.877*[CBDA] + [CBD]

² tTHC = 0.877*[THCA] + [THC]

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Version No.:	01	Valid on:	11.7.2021	

Batch Number: F-ANT0621322			Sample lab-number: TOL-21-838, TOL-21-699			
Test	Specifications	Results	Units	Method	Conclusion Pass/Fail	Testing Site
Cannabigerol (CBG)		0.1	%			
Cannabidiol (CBDV)		ND	%			
Tetrahydrocannabivarin (THCV)		<0.04	%			
Delta-8 Tetrahydrocannabinol (THC ^{Δ8})		ND	%			
Cannabinol (CBN)	N.M.T 1.5	<0.1	%		Pass	
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	9-15	14	%	Ph. Eur 2.2.32	Pass	Tikun-Olam
Heavy Metals						
Arsenic (As)	Indicative	<0.99	ppm	ICP-MS		Bactochem
Cadmium (Cd)	N.M.T 0.5	<0.499	ppm		Pass	
Mercury (Hg)	N.M.T 0.1	<0.099	ppm		Pass	
Nickel (Ni)	Indicative	<0.99	ppm			
Lead (Pb)	N.M.T 5.0	<4.99	ppm		Pass	
Zinc (Zn)	Indicative	97.282	ppm			
Pesticides Residues	Not Detected	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	
E.coli O-157	Negative	ND	NA	ISO 16654	Pass	
Salmonella	Negative	ND	NA	Ph. Eur 2.6.13/ USP <62>	Pass	
Shigella	Negative	ND	NA	ISO 21567	Pass	
Enterobacterium [⊖]	Negative	ND	NA	Ph. Eur 2.6.13/ USP <62>	Pass	
Listeria	Negative	ND	NA	ISO 11290-1	Pass	

⊖ D:le-tolerant gram-negative bacteria
11.07.21

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Version No.:	01	Valid on:	4.7.2021
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Batch Number: F-ANT0621322			Sample lab-number: TOL-21-838, TOL-21-699			
Test	Specifications	Results	Units	Method	Conclusion Pass/Fail	Testing Site
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 2	ND	ppb	HPLC	Pass	Bactochem
Aflatoxin - B1	N.M.T 2	ND	ppb		Pass	
Total-Aflatoxins (B1, B2, G1, G2)	N.M.T 4	ND	ppb		Pass	

All tests comply with current specification SPC-FP-FANT15.

Documentation reference:

TO-LAB-20-02 TO-LAB-21-02 COA 0226-21 COA 799030 COA 798111 COA 21-474271/002 COA 808770
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Approved by:

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

[Signature] Date: 14.07.2021

Reviewed and authorized by:

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

[Signature] Date: 14/07/2021

Approvals:

Department	Name	Signature	Date
Quality Control	Tsiona Nehemia	<u>[Signature]</u>	29/06/2021
Quality Assurance	Elinor Cohen	<u>[Signature]</u>	21/7/2021 4/7/2021 250°