	CERTIFICATE OF ANALYSIS (COA)			
	Medical Cannabis Inflorescences T20C4, 10g			
Form No.:	COA-FP-FT20C4	Section:	QC	
Version No.:	01	Valid on:	<i>08.05.2022</i>	

Product Name: Afghan Wizard Inflorescences, T20C4 Indica	Item code: AFGHAN20
Batch Number: F-2121121552	Sample lab-number: TOL-21-1459, TOL-21-1219


Batch size (Kg): 37.34	Units: 3734
Manufacturer: Tikun-Olam Production	Manufacturing date: 08/11/2021
Sampling date: 09/09/2021, 11/11/2021	Expiry date: 10/2022
Storage conditions: RT	COA No.: 0610-21 ver2
Stability interval conditions (if applicable): NA	
Date of analysis: 14/11/2021, 22/09/2021, 23/11/2021, 25/11/2021 (COA date)	

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
Fineness	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	<0.1	%	In house procedure (TO-LAB-40.14) According to Ph. Eur 2.2.46 / USP 621 requirements		Tikun-Olam
Cannabidiol (CBD)		<0.1	%			
tCBD ¹	0-7	<0.1	%		Pass	
Tetrahydrocannabinol Acid (THCA)	For Information Only	21.5	%			
Tetrahydrocannabinol (THC ^{Δ9})		0.7	%			
tTHC ²	16-24	20	%		Pass	
Cannabichromenic Acid (CBCA)	For Information Only	0.3	%			
Cannabichromene (CBC)		<0.1	%			
Cannabigerolic Acid (CBGA)		0.4	%			
Cannabigerol (CBG)		<0.1	%			
Cannabidivarin (CBDV)		<0.1	%			
Tetrahydrocannabivarin (THCV)		<0.1	%			

¹ tCBD = 0.877*[CBDA] + [CBD]

² tTHC = 0.877*[THCA] + [THC]

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Delta-8 Tetrahydrocannabinol (THC ^{Δ8})		<0.1	%			
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	12	%	In house procedure (TO-LAB-40.09) based on Ph. Eur. 2.2.32	Pass	Tikun-Olam
Heavy Metals						
Arsenic (As)	N.M.T 2.5	<0.99	ppm	ICP-MS	Pass	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	84.563	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 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	
Salmonella	Negative	ND	NA	Ph. Eur 2.6.13/ USP <62>	Pass	
Enterobacteriaceae ³	N.M.T 20	ND	CFU/g	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 2	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	

³ Bile Tolerance Presence

TIKUN OLAM <small>MEDICAL CANNABIS</small>	CERTIFICATE OF ANALYSIS (COA)		
	Medical Cannabis Inflorescences T20C4, 10g		
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Batch Number: F-2121121552	Sample lab-number: TOL-21-1459, TOL-21-1219

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

Documentation reference:

TO-LAB-20-02 TO-LAB-21-02 COA 0579-21 COA 830752 COA 830844 COA 21-510663/003 COA 850847
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Approved by:

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

[Signature] Date: 09-05-2022

Reviewed and authorized by:

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

שני כרמי
 רוקחת אחראית
 מ.ר. 6218

Date: 11/5/22

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>