


TIKUN OLAM MEDICAL CANNABIS	CERTIFICATE OF ANALYSIS (COA)			
	Medical Cannabis Inflorescences T20C4 Sativa, 10g – SUMMER DIESEL Item code: F SD20			
Form No.:	COA-FP-FSD20- Pharmacann	Section:	QC	Page 1 of 3
Version No.:	01	Valid on:	03.02.22	

Batch Number: F-SD0122749	Sample lab-number: TOL-22-137, TOL-21-1751
Batch size (Kg): 51.82 Units: 5182	Sampling date: 23/12/2021, 20/01/2022
Manufacturer: Tikun-Olam Production	Manufacturing date: 16/01/2022
Storage conditions: RT	Expiry date: 07/2022
Date of analysis: 25/01/2022, 30/12/2021, 31/12/2021, 02/02/2022, 08/02/2022 (COA date)	COA No.: 0115-22
Growing Batch No.: CD150821	Licensed Grower: פארמוקן בע"מ
Harvest month: 11/2021	Processing month: 12/2021
Stability interval\ conditions (if applicable): NA	

Batch Number: F-SD0122749			Sample lab-number: TOL-22-137, TOL-21-1751			
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	%	HPLC	Pass	Tikun-Olam
Cannabidiol (CBD)		ND	%			
tCBD ¹	0-7	<0.1	%			
Tetrahydrocannabinol Acid (THCA)	For Information Only	24.9	%			
Tetrahydrocannabinol (THC ^{Δ9})		0.4	%			
tTHC ²	16-24	22	%			
Cannabichromenic Acid (CBCA)	For Information Only	0.3	%			
Cannabichromene (CBC)		<0.1	%			

¹ tCBD = 0.877*[CBDA] + [CBD]

² tTHC = 0.877*[THCA] + [THC]

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Batch Number: F-SD0122749				Sample lab-number: TOL-22-137, TOL-21-1751		
Test	Specifications	Results	Units	Method	Conclusion Pass\Fail	Testing Site
Cannabigerolic Acid (CBGA)		0.5	%			
Cannabigerol (CBG)		0.1	%			
Cannabidivarin (CBDV)		<0.1	%			
Tetrahydrocannabivarin (THCV)		<0.1	%			
Delta-8 Tetrahydrocannabinol (THC ^{Δ8})		<0.2	%			
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	%	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	63.968	ppm			
Pesticides Residues	Not Detected	ND	mg/kg	GC\MS LCMS	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	

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Enterobacterium ³	N.M.T 20	ND	CFU/g	Ph. Eur 2.6.13/ USP <62>	Pass	Bactochem
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	

All tests comply with current specification SPC-FP-FSD20-Pharmacann.

Documentation reference:

TO-LAB-20-02 TO-LAB-21-02 COA 0091-22 COA 862229 COA 862108 COA 22-531369/004 COA 872443
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Approved by:

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

_____ Date: 09.02.2022

Reviewed and authorized by:

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

שני כרמי
ראש מחלקת אחראיית
מ.ד. 6218

_____ Date: 09/02/2022

Approvals:

Department	Name	Signature	Date
Quality Control	Hen Nehemia		02.02.2022
Quality Assurance	Elinor Cohen		3/2/2022

³ Bile Tolerance Presence