 David & Goliath pharma	Effective Date:		David & Goliath
	16/02/2023		
Version Number:	8	COA-027	
Certificate of Analysis for Finished Product Medical Cannabis Flowers, 10g THC 20% / CBD 4%			

Medical Cannabis Flowers, 10g THC 20% / CBD 4%			
Catalog Number:	5FJSP	4FJSP	Description: Joseph Lichi Indica

Batch Number:	5FJSP23001	Time Point:	Release
QC Number:	QC-23-047	Storage Conditions:	RT
Manufacturing Date:	08/02/2023	Expiry Date:	02/2024

Test	Method	Acceptance Criteria	Result	Conclusion	Testing Site
Appearance	AM-001	Green to brown clustered flowers, fairly trimmed, of NLT 0.5 cm length, with a characteristic smell.	OK	Conforms	D&G
Foreign Matter	AM-002	NMT 2% m/m of foreign matter.	OK	Conforms	D&G
External Pests	AM-002	The sample is free from molds, insects and another animal contamination.	OK	Conforms	D&G
Identification CBD, THC, CBN	HPLC UV MP-4003	The Retention time of the main peaks is identical to the standard.	OK	Conforms	Cannasoul


Assay of Cannabinoids (calculated on dried basis) based on LOD / Karl Fisher Result.					
THC	HPLC UV MP-4003	Indicative	0.3%	Conforms	Cannasoul
THCA		Indicative	26.8%	Conforms	
Total THC		16-24 %	23.9%	Conforms	
CBD		Indicative	<0.1%	Conforms	
CBDA		Indicative	0.1%	Conforms	
Total CBD		0-7 %	0.1%	Conforms	
CBN		NMT 1.5%	<0.1%	Conforms	
CBC		Indicative	<0.1%	Conforms	
CBCA		Indicative	0.6%	Conforms	
CBG		Indicative	0.2%	Conforms	
CBGA		Indicative	0.9%	Conforms	
THCV		Indicative	<0.1%	Conforms	
CBDV		Indicative	<0.1%	Conforms	
Moisture by LOD or KF		MP-4002 (LOD)/ MP-4008 (KF)	6-14%	12%	

Pesticides residues					
Dithiocarbamates	Based on Reg. 396/2005/EC	Not Detected	Not Detected	Conforms	Bactochem
Fosetyl by LCMS	Based on US 8-122-760 B2	Not Detected	Not Detected	Conforms	
Metaflumizone	PAM 302 QuEChERS	Not Detected	Not Detected	Conforms	
GCMS	Based on: QuEChERS, SANCO	Not Detected	Not Detected	Conforms	
LCMS	Based on: QuEChERS, SANCO	Not Detected	Not Detected	Conforms	
Heavy Metals					
Cadmium	Elemental Analysis Manual: Section 4.4	NMT 0.5 ppm	<0.1 ppm	Conforms	Bactochem
Lead		NMT 5.0 ppm	<1.0 ppm	Conforms	
Mercury		NMT 0.1 ppm	<0.1 ppm	Conforms	
Arsenic		NMT 2.5 ppm	<0.5 ppm	Conforms	
Nickel		Indicative	<0.5 ppm	Conforms	
Zinc		Indicative	100.601 ppm	Conforms	
Mycotoxins					
B1 Aflatoxin	Based on: J. AOAC Int. 83, 320 (2000). AOAC Official Method 999.07	NMT 2 µg/Kg	Not Detected	Conforms	Bactochem
Total Aflatoxins (B1, B2, G1, G2)		NMT 4 µg/Kg	Not Detected	Conforms	
Ochratoxin A		NMT 2 µg/Kg	Not Detected	Conforms	


Microbiology					
Total Aerobic Microbial Count	Ph. Eur. 2.6.12/ USP <61>	NMT 20,000 CFU/g	<100.0 CFU/g	Conforms	Bactochem
Total Yeast and Molds Count	Ph. Eur. 2.6.12/ USP <61>	NMT 2,000 CFU/g	<10.0 CFU/g	Conforms	
E. coli	ISO 16649/2	NMT 20 CFU/g	<10 CFU/g	Conforms	
Enterobacteriaceae	Ph. Eur. 2.6.13/ USP_62	NMT 20 CFU/g	<10 CFU/g	Conforms	
Salmonella	Ph. Eur. 2.6.13/ USP_62	Negative	Negative	Conforms	
S. Aureus	Ph. Eur. 2.6.13/ USP_62	Negative	Negative	Conforms	
P. Aeruginosa	Ph. Eur. 2.6.13/ USP_62	Negative	Negative	Conforms	
Appearance of Packaging	Visual Inspection	Quality of gluing leaflet label to jar- The leaflet label is properly pasted in the correct orientation without displacement.	N.A	N.A	N.A
		Printing on the jar- The Printing included: lot, EXP, Total THC, Total CBD and CBN all parameters clear without erasures.	N.A	N.A	N.A

The Result taken from IPC Stage except from appearance of packaging (Process flowers-before label) Lot: 4FJSP23001

All tests are approved according to specifications SPEC-319

QC Approval: Ada Koster 

Date: 23/02/2023

QA Approval: 

Date: 23/02/23

Unit Produced: 23102123 3033

Units Released: 3033

Date: 23/02/23

Testing Site(s)

- David and Goliath Pharma (D&G)
Hasif Street 1 Industrial Zone Bear Tovia, 8381500, Israel
- Cannasoul Lab Service
Kibbutz Gan Shmuel, 3881000, Israel
- Bactochem Lab Service
Hacharash Street 18, Ness Ziona ,7403125, Israel

Manufacturing Site:

David and Goliath Pharma
Hasif Street 1 Industrial Zone Bear Tovia, 8381500, Israel