

Certificate of Analysis (CoA)

Catalog Number: 14HESI20	Medical Cannabis Flowers, Indica 10g THC 20% / CBD 4% TSUNAMI
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	Name	Title	Signature	Date
Approved By	Guy Givol	QC Team Member 7	**Signed_Electronically**	17-01-2021 17:08
Department Representative:	Hanan Rahamim	Quality Control (Laboratory) representative	**Signed_Electronically**	17-01-2021 17:45
Department Representative:	Natalia Kramarev	QA representative	**Signed_Electronically**	18-01-2021 08:06

Batch Number: <u>14HESI2021010</u>	Time Point: <u>Release</u>
QC Number: <u>QC-21-114</u>	Storage Conditions: <u>RT</u>
Manufacturing Date: <u>08.02.21</u>	Expiry Date: <u>08/2021</u>

Test	Method	Acceptance Criteria	Results	Conclusions	Testing Site
<u>Appearance</u>	Visual Inspection QC02AM011	Brown green clustered flowers of NLT 0.5 cm length, with a characteristic smell	ok	conforms	BOL
<u>Foreign Matter</u>	QC02AM010	NMT 2% m/m	o.k	conforming	BOL
<u>External Pests</u>	QC02AM010	The sample is free from molds, insects and another animal contamination	o.k	conforming	BOL
<u>Identification</u> <u>CBD, THC, CBN</u>	HPLC UV QC02AM008	The retention time of the main peak is identical to the standard	ok	conforms	BOL

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Assay (on dry basis)					
THC	HPLC UV QC02AM008	Indicative	1.9%. -	conforms	BOL
THCA		Indicative	25.5%. ✓	conforms	BOL
Total THC		16% - 24%	24.2%. ✓	conforms	BOL
CBD		Indicative	<0.1%. -	conforms	BOL
CBDA		Indicative	<0.1%. -	conforms	BOL
Total CBD		0% - 7%	<0.1%. -	conforms	BOL
CBG		Indicative	<0.1%. -	conforms	BOL
CBGA		Indicative	11.0211 0.9% 1.0% ✓	conforms	BOL
CBC		Indicative	<0.1%. ✓	conforms	BOL
CBN		Up to 1.5%	<0.1%. ✓	conforms	BOL
Loss on Drying	QC01GE036	12 ± 3%	12%. ✓	conforms	BOL
Total-Aflatoxins					
Aflatoxin B1	EP 2.8.18	LT 2µg/kg	<1µg/kg ✓	conforms	BOL
Total-Aflatoxins (B1, B2, G1, G2)		LT 4µg/kg	<1µg/kg ✓	conforms	BOL
Ochratoxin A		LT 1µg/Kg (QL)	<1µg/kg ✓	conforms	BOL
Pesticides Residues	GC-MS LC-MS	Not Detected	Not Detected	conforms	for Analysis 16.02.21

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Test	Method	Acceptance Criteria	Results	Conclusions	Testing Site
Heavy Metals					
Mercury	EP 2.4.27	< 0.1 ppm	< 0.1 ppm	Conforms	Aminolab
Arsenic		Indicative	< 1 ppm	conforms	Aminolab
Cadmium		< 0.5 ppm	< 0.5 ppm	Conforms	Aminolab
Nickel		Indicative	< 5 ppm	conforms	Aminolab
Lead		< 5.0 ppm	< 1 ppm	Conforms	Aminolab
Zinc		Indicative	56 ppm	conforms	Aminolab
Microbiology					
Total Aerobic Microbial Count (TAMC)	MIC10GE023	NMT 20,000 CFU/g	< 100 c.f.u.	conforms	BOL
Total Combined Yeasts/Molds Count (TYMC)		NMT 2,000 CFU/g	< 100 c.f.u.	conforms	BOL
S.Aureus		Negative	Negative	conforms	BOL
Salmonella		Negative	Negative	conforms	BOL
Listeria		Negative	Negative	conforms	BOL
P.Aeruginosa		Negative	Negative	conforms	BOL
Enterobacteria		Negative	Negative	conforms	BOL
E.Coli		NMT 20 CFU/g	Negative	conforms	BOL
E.Coli O157		Negative	Negative	conforms	BOL
Shigella		Negative	Negative	conforms	BOL

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Test	Analysis Date	Notebook, Page
Appearance, Assay, Identification, LOD	10.02.21	043/2021 p. 41
Foreign Matter, External Pests	11.02.21	025/2021 p. 55
Total Aflatoxins	14.02.21	046/2021 P. 11
Microbiology	10.02.21	045/2021 p. 6

All tests are approved according to current specifications of catalog 14HESI20

QC Approval:  Date: 17.2.21

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Units Produced: 11220

Units Released: 11160

CQP Approval: [Signature] Date: 17.02.21

Testing Site (s)

1) Breath of Life Cannabis Manufacturing of Medical Products (BOL Pharma)

Kibbutz Revadim Industrial Zone ,7982000, Israel

2) Aminolab Ltd.

Pinhas Sapir Street 1, Weizmann Science Park, Ness Ziona, 7414001 Israel

Manufacturing Site:

Breath of Life Cannabis Manufacturing of Medical Products (BoL Pharma)

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To:

Mina Blum

Breath of life cannabis manufacturing of medical products

Email: Mina.Blum@bolpharma.com

15/02/2021

No.005846.21



CERTIFICATE OF ANALYSIS No.005846.21

Aminolab No.: 011957.21-CP

Batch No.:

14HESI2021010

Sample name: Cannabis inflorescence - CL-21-050

Sample reception: 10/02/2021

Sampled by: The Customer

Sampling type: --

Order No: PO21000146

Analyses Results:

Analysis	Units	Results	Remarks
Chemistry			
Metals scan by ICP-MS - IMCA spec			1
Arsenic - As	ppm	<1	-
Cadmium - Cd	ppm	<0.5	-
Mercury - Hg	ppm	<0.1	-
Nickel - Ni	ppm	<5	-
Lead - Pb	ppm	<1	-
Zinc - Zn	ppm	56	-
Pesticide Residues by GC-MS/MS	mg/Kg	ND	(-)
Pesticide Residues by LC-MS/MS	mg/Kg	ND	(-)

Analyses Remarks:

(-) = No Comments

1. ICP scan - results including "<" = Below reporting limits

ND=Not Detected

Approved by: Yoram Cohen, Ph.D.-Lab. Manager



Signature: _____

Aminolab No.: 011957.21-CP

15/02/2021
No.005846.21



Quality Assurance:

Analysis	Method / Standard	Remarks
Metals scan by ICP-MS - IMCA spec	SOP# 20.WI.159	a,b
Pesticide Residues by GC-MS/MS	In-house procedure by GC-MS/MS based on European Pharmacopeia (EP) 2.8.13, SANTE/11813/2017 and AOAC 2007.01	a,b
Pesticide Residues by LC-MS/MS	In-house procedure by LC-MS/MS based on European Pharmacopeia (EP) 2.8.13, SANTE/11813/2017 and AOAC 2007.01	a,b

Accreditations / Certifications:

The laboratory is accredited under ISO/IEC 17025 with standard operating procedures.

a.Aminolab has the recognition by the Ministry of Health, Medical Cannabis unit.

b.Aminolab is accredited to perform this analysis under ISO/IEC 17025 by ISRAC.

ISRAC is not responsible for the tests results performed by the laboratory and the accreditation does not approve the tested item results.

Approved by: Yoram Cohen, Ph.D.-Lab. Manager



Signature: _____

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This certificate is valid only when it is presented in its complete format, and it is not permitted to extract part for inclusion in any other document. The data presented accurately expresses the results for the sample received only. It is not permitted to use Aminolab Ltd's name or its reputation in respect to the above - specified results, without Aminolab written consent.

*** End of Certificate of analysis ***