



# Certificate of Analysis

Flourish Labs, LLC  
Portland, Oregon  
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Customer: Fruiting Bodies, LLC  
email: Roger@fruitingbodies.com

Order: FLO#05009

5/19/2023

## Cordyceps Test: milligrams/milliliter (mg/mL)

Extract	Cordycepin	2'-deoxyadenosine	Adenosine	Adenine	Guanosine
Syringe	0.145	0.025	0.173	BLD	0.053

BLQ: Below Limit of Quantitation

BLD: Below Limit of Detection

## Cordyceps Test: milligrams/gram (mg/g)

Extract	Cordycepin	2'-deoxyadenosine	Adenosine	Adenine	Guanosine
Goo	1.748	0.279	0.709	1.040	BLD

BLQ: Below Limit of Quantitation

BLD: Below Limit of Detection

HPLC Controls	Measured (ng/ $\mu$ l)	Expected (ng/ $\mu$ l)	Recovery %
Cordycepin	92.39	100.00	92.39
2'-deoxyadenosine	110.41	100.00	110.41
Adenosine	94.25	100.00	94.25
Adenine	112.82	100.00	112.82
Guanosine	110.14	100.00	110.14

% recovery +/- 20% acceptable

Analyst	Date Started	Date Completed
GS	5/14/2023	5/19/2023

All data is for research and educational purposes only.



Customer: Fruiting Bodies LLC  
 Address: 615 Cedar St. Suite 101  
 Muscatine, IA 52761  
 Sample ID: Cordyceps Concentrate  
 Matrix: Tincture  
 Labnumber: 23E0119-07



## Pesticide Profile

Test Conditions: °C  
 Extraction Technician: ZEN  
 Analytical Chemist: KSG

Extraction Date(s)	Analysis Date(s)
6/6/2023	6/7/2023

Pesticides (LC/MS/MS)	Results	LOD	Pesticides (LC/MS/MS)	Results	LOD
	ppm	ppm		ppm	ppm
Acephate		0.212	Acequinocyl		1.06
Acetamiprid		0.106	Aldicarb		0.212
Azoxystrobin		0.106	Bifenthrin		0.106
Boscalid		0.212	Carbaryl		0.106
Carbofuran		0.106	Chlorpyrifos		0.106
Diazinon		0.106	Dimethoate		0.106
Ethoprophos		0.106	Etofenprox		0.212
Etoxazole		0.106	Fenoxycarb		0.106
Fenpyroximate E		0.212	Fonicamid		0.529
Fludioxonil		0.212	Hexythiazox		0.529
Imazalil		0.106	Imidacloprid		0.212
Kresoxim-methyl		0.212	Malathion		0.106
Metalaxyl		0.106	Methiocarb		0.106
Methomyl		0.212	Myclobutanil		0.106
Naled		0.265	Oxamyl		0.529
Piperonyl butoxide		1.06	Propiconazole		0.212
Propoxure		0.106	Spiromesifen		0.106
Spirotetramat		0.106	Spiroxamine		0.212
Tebuconazole		0.212	Thiacloprid		0.106
Thiamethoxam		0.106	Trifloxystrobin		0.106
Abamectin		0.265	Bifenazate		0.106
Chlorantraniliprole		0.106	Clofentezine		0.106
Cyfluthrin		1.06	Cypermethrin		0.529
Daminozide		0.529	DDVP (Dichlorvos)		0.053
Fipronil		0.212	Pacllobutrazol		0.212
Permethrins		0.106	Phosmet		0.106
Prallethrin		0.106	Pyrethrins		0.529
Pyridaben		0.106	Spinosad		0.106
Chlorfenapyr		1.06			

Blank results indicate the compound was below the limit of detection.

Test Deviation:  
 Variance from ADHS requirements; see description in case narrative.

**Gary Brook - Laboratory Director - 6/9/2023**

Reporting Limits will vary based on sample extraction weight used for the analysis.

The results of this report are based solely on the sample submitted and cannot be reproduced. Decision Rule: Measurement uncertainty is not accounted for in the reported values. Results are based solely on calculated numbers. Altitude Consulting makes no Statements of conformity. Pesticide, metal, and microbial analyses are subcontracted to ISO 17025 laboratories.



Customer: Fruiting Bodies LLC  
 Address: 615 Cedar St. Suite 101  
 Muscatine, IA 52761  
 Sample ID: Cordyceps Concentrate  
 Matrix: Tincture  
 Labnumber: 23E0119-07



## Metals Profile

Test Conditions: °C

Extraction Technician: MLC

Analytical Chemist: MLC

Extraction  
Date(s)

Analysis  
Date(s)

6/6/2023

6/6/2023

Metals (ICP/MS)	Method Code	Results	Units
Arsenic	ICPMS	<0.098	ppm
Cadmium	ICPMS	<0.098	ppm
Lead	ICPMS	<0.244	ppm
Mercury	ICPMS	<0.010	ppm

Limits for metals vary greatly depending on usage of the sample. Altitude Consulting recommends researching federal and state regulatory limits.

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## Microbial Profile

Test Conditions: °C

Extraction Technician: MLC

Analytical Chemist: SPS

Extraction  
Date(s)

Analysis  
Date(s)

6/1/2023

6/6/2023

Microbials	Method Code	Results	Units
Salmonella	PCR	Not Detected	per gram
Total Coliform	PetriFilms	<10.0	cfu/g
E. coli	PetriFilms	<10.0	cfu/g
Aspergillus flavus, fumigatus o	PCR	Not Detected	per gram
Yeast	PetriFilms	<10.0	cfu/g
Mold	PetriFilms	<10.0	cfu/g
Aspergillus terreus	PCR	Not Detected	per gram

Limits for microbials vary greatly depending on usage of the sample. Altitude Consulting recommends researching federal and state regulatory limits.

**Gary Brook - Laboratory Director - 6/9/2023**

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