



Jasper 500mg Oil

Ministry of Hemp

Test Result UID: **ANL0030489**

Lot Inventory ID:

Lab Inventory ID:

Date Tested: 12/12/2019

Serving Size: 1 Bottle (30ml) = 28.614 g



Summary

557.83 mg/s Total Cannabinoids	Pass Microbial	Pass Mycotoxins	Not Tested Residual Solvents	Pass Pesticides	Not Tested Heavy Metals
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Cannabinoids

Testing method: HPLC-SOP 0011

Analyte	LOD	LOQ	Mass	Mass
Δ9-THC-A	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
Δ9-THC	0.000 mg/g	0.001 mg/g	0.691 mg/g	19.773 mg/s
Δ9-THCV	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
Δ8-THC	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBN	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBD-A	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBD	0.000 mg/g	0.001 mg/g	18.804 mg/g	538.055 mg/s
CBDV-A	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBDV	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBG-A	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBG	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBC	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s

19.77 mg/s
Total THC

538.05 mg/s
Total CBD

Terpenes

Testing method: HSGCFID-SOP 0030

Analyte	LOD	LOQ	Mass	Mass
α-Pinene	0.00 mg/g	0.01 mg/g	0.04 mg/g	1.18 mg/s
β-Pinene	0.00 mg/g	0.01 mg/g	0.09 mg/g	2.54 mg/s
Myrcene	0.00 mg/g	0.01 mg/g	0.03 mg/g	0.92 mg/s
Ocimene	0.00 mg/g	0.01 mg/g	0.15 mg/g	4.19 mg/s
Limonene	0.00 mg/g	0.01 mg/g	ND mg/g	ND mg/s
Terpinolene	0.00 mg/g	0.01 mg/g	ND mg/g	ND mg/s
Linalool	0.00 mg/g	0.01 mg/g	ND mg/g	ND mg/s
Caryophyllene	0.00 mg/g	0.01 mg/g	ND mg/g	ND mg/s
Humulene	0.00 mg/g	0.01 mg/g	ND mg/g	ND mg/s

8.82 mg/s
Total Terpenes

Not Tested Moisture SOP-0009	Not Tested Water Activity SOP-0053	Not Tested Foreign Matter SOP-0010
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Total THC = Δ9-THC-A * 0.877 + Δ9-THC
Total CBD = CBD-A * 0.877 + CBD
LOQ = Limit of Quantification; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected
The values reported pertain only to the product tested.



Analytical 360, LLC certifies that the results presented are true and correct to the best of our knowledge. These results relate only to the sample provided by the client to Analytical 360, LLC.

Reference Lab
Analytical 360, LLC subcontracts the following assays:
Mycotoxins performed by Capitol Analysis (WSLCB Lab #0022)
Pesticides and Heavy Metals performed by Medicine Creek Analytics (WSLCB Lab #0018)

Approved By

Paul D. Matthews, Ph.D.

Paul Matthews, Ph.D.
Executive Lab Director / Chief Science Officer



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Microbial Testing method: PLATE-SOP 0007

Analyte	LOD	LOQ	Action Level	Mass	Status
Bile-Tolerant Gram Negative Bacteria	20 CFU/g	85 CFU/g	1000 CFU/g	ND CFU/g	Pass
Salmonella spp.	-	-	Any Detected in 1 g		Pass
Escherichia coli	-	-	Any Detected in 1 g		Pass
Total Aerobic Bacteria	170 CFU/g	850 CFU/g	No Limit	NT	
Total Yeast and Mold	170 CFU/g	850 CFU/g	No Limit	NT	
Total Coliforms	20 CFU/g	85 CFU/g	No Limit	NT	

Mycotoxins Testing method: ELISA-SOP 0054

Analyte	LOD	LOQ	Action Level	Mass	Status
Aflatoxins B1, B2, G1, G2	0.1 ppb	1.0 ppb	20 ppb	ND ppb	Pass
Ochratoxin A	0.1 ppb	1.0 ppb	20 ppb	ND ppb	Pass

Heavy Metals Testing method: ICPMS-SOP 0055

Analyte	LOD	LOQ	Action Level	Mass	Status
Arsenic	0.02 ug/5g	0.06 ug/5g	10 ug/5g	NT	NT
Cadmium	0.01 ug/5g	0.04 ug/5g	4.1 ug/5g	NT	NT
Lead	0.01 ug/5g	0.02 ug/5g	6 ug/5g	NT	NT
Mercury	0.02 ug/5g	0.07 ug/5g	2 ug/5g	NT	NT

Washington State I-502 Recreational Marijuana Microbial / Mycotoxins Action Levels

Counts not to exceed:

- 1,000 CFU/g Bile-Tolerant Gram Negative Bacteria for solvent extracts and edibles
- 10,000 CFU/g Bile-Tolerant Gram Negative Bacteria for flower, hash and kief
- *E coli* and *Salmonella* **not detected** in one gram for all products
- 20 ppb for Aflatoxins B1, B2, G1, G2, and Ochratoxin A for all products

LOQ = Limit of Quantification; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected
CFU/g = Colony Forming Units Per Gram; ppm = Parts per Million; ppb = Parts per Billion
TNTC = Too Numerous To Count

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Pass
Microbial

Pass
Mycotoxins

Not Tested
Heavy Metals



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Pesticides Testing method: LCMS-SOP 0055

Analyte	LOD	LOQ	Mass	Action Level	Analyte	LOD	LOQ	Mass	Action Level
	ppm	ppm		ppm		ppm	ppm		ppm
Avermectin B1a	0.009	0.02	ND ppm		Malathion	0.01	0.02	ND ppm	0.20
Avermectin B1b	0.006	0.02	ND ppm		Metalaxyl	0.01	0.10	ND ppm	0.20
Abamectin Total			ND ppm	0.50	Methiocarb	0.01	0.10	ND ppm	0.20
Acephate	0.01	0.10	ND ppm	0.40	Methomyl	0.01	0.10	ND ppm	0.40
Acequinocyl	0.01	0.10	ND ppm	2.00	Methylparathion	0.02	0.10	ND ppm	0.20
Acetamiprid	0.01	0.02	ND ppm	0.20	MGK 264 Isomer1	0.009	0.09	ND ppm	
Aldicarb	0.01	0.02	ND ppm	0.40	MGK 264 Isomer1	0.001	0.01	ND ppm	
Azoxystrobin	0.01	0.10	ND ppm	0.20	MGK-264 Total			ND ppm	0.20
Bifenazate	0.01	0.02	ND ppm	0.20	Myclobutanil	0.01	0.02	ND ppm	0.20
Bifenthrin	0.01	0.02	ND ppm	0.20	Naled	0.01	0.02	ND ppm	0.50
Boscalid	0.01	0.02	ND ppm	0.40	Oxamyl	0.01	0.02	ND ppm	1.00
Carbaryl	0.01	0.02	ND ppm	0.20	Paclobutrazol	0.01	0.02	ND ppm	0.40
Carbofuran	0.01	0.10	ND ppm	0.20	Permethrin Cis	0.004	0.04	ND ppm	
Chlorantraniliprole	0.01	0.10	ND ppm	0.20	Permethrin Trans	0.006	0.06	ND ppm	
Chlorfenapyr	0.02	0.40	ND ppm	1.00	Permethrins Total			ND ppm	0.20
Chlorpyrifos	0.01	0.02	ND ppm	0.20	Phosmet	0.01	0.02	ND ppm	0.20
Clofentezine	0.01	0.10	ND ppm	0.20	Piperonyl butoxide	0.01	0.02	ND ppm	2.00
Cyfluthrin	0.10	0.10	ND ppm	1.00	Prallethrin	0.01	0.10	ND ppm	0.20
Cypermethrin	0.10	0.20	ND ppm	1.00	Propiconazole	0.01	0.02	ND ppm	0.40
Daminozide	0.02	0.10	ND ppm	1.00	Propoxur	0.01	0.02	ND ppm	0.20
DDVP (Dichlorvos)	0.01	0.02	ND ppm	0.10	Pyrethrins Cinerin	0.0006	0.001	ND ppm	
Diazinon	0.01	0.02	ND ppm	0.20	Pyrethrins Jasmolin	0.0004	0.004	ND ppm	
Dimethoate	0.01	0.10	ND ppm	0.20	Pyrethrins Pyrethrin	0.006	0.06	ND ppm	
Ethoprophos	0.01	0.02	ND ppm	0.20	Pyrethrins Total			ND ppm	1.00
Etofenprox	0.01	0.02	ND ppm	0.40	Pyridaben	0.01	0.02	ND ppm	0.20
Etoxazole	0.01	0.02	ND ppm	0.20	Spinosyn A	0.006	0.01	ND ppm	
Fenoxycarb	0.01	0.10	ND ppm	0.20	Spinosyn D	0.004	0.009	ND ppm	
Fenpyroximate	0.01	0.10	ND ppm	0.40	Spinosad Total			ND ppm	0.20
Fipronil	0.01	0.02	ND ppm	0.40	Spiromesifen	0.01	0.02	ND ppm	0.20
Flonicamid	0.01	0.10	ND ppm	1.00	Spirotetramat	0.01	0.02	ND ppm	0.20
Fludioxonil	0.01	0.02	ND ppm	0.40	Spiroxamine	0.01	0.02	ND ppm	0.40
Hexythiazox	0.01	0.01	ND ppm	1.00	Tebuconazole	0.01	0.02	ND ppm	0.40
Imazalil	0.01	0.02	ND ppm	0.20	Thiacloprid	0.01	0.02	ND ppm	0.20
Imidacloprid	0.01	0.10	ND ppm	0.40	Thiamethoxam	0.01	0.02	ND ppm	0.20
Kresoxim-methyl	0.01	0.02	ND ppm	0.40	Trifloxystrobin	0.01	0.02	ND ppm	0.20

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Pass
Pesticides



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