

# CERTIFICATE OF ANALYSIS

## ISO/IEC 17025:2017 ACCREDITATION #103104



Order #: 61936  
 Order Name: ZERO-Extra  
 Strength Watersol  
 Batch#: Bi-Annual Review-  
 10004818  
 Received: 06/20/2021  
 Completed: 06/20/2021



American Shaman  
 2405 Southwest Blvd  
 Kansas City Missouri, 64108  
 (913) 486-9889  
 info@cbdamericanshaman.com



### Sample



### Cannabinoids Test

SHIMADZU INTEGRATED UPLC-PDA

GSL SOP 400

PREPARED: 09/17/2020 20:35:14

UPLOADED: 09/18/2020 16:58:26

Cannabinoids	LOQ	weight(%)	mg/g	mg/unit
D9-THC	10 PPM	N/D	N/D	N/D
THCA	10 PPM	N/D	N/D	N/D
CBD	10 PPM	<b>2.691%</b>	<b>26.909</b>	<b>936.4</b>
CBDA	20 PPM	N/D	N/D	N/D
CBDV	20 PPM	N/D	N/D	N/D
CBC	10 PPM	N/D	N/D	N/D
CBN	10 PPM	N/D	N/D	N/D
CBG	10 PPM	<b>0.091%</b>	<b>0.912</b>	<b>31.7</b>
CBGA	20 PPM	N/D	N/D	N/D
D8-THC	10 PPM	N/D	N/D	N/D
THCV	10 PPM	N/D	N/D	N/D
TOTAL D9-THC		<b>N/D</b>	<b>N/D</b>	<b>N/D</b>
TOTAL CBD*		<b>2.691%</b>	<b>26.909</b>	<b>936.4</b>
TOTAL CANNABINOIDS		<b>2.782%</b>	<b>27.821</b>	<b>968.1</b>

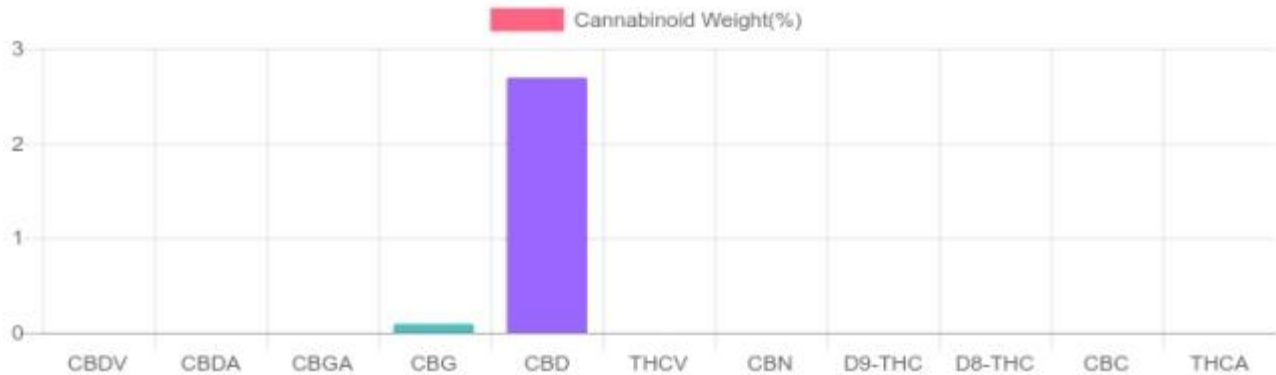
N/D  
D9-THC

2.691%  
Total CBD

968.1 mg  
Cannabinoids per  
unit

936.4 mg  
CBD per  
unit

1 unit = 30 ml per unit x density (1.16) x  
Cannabinoid concentration



Reporting Limit 10 ppm

\*Total CBD = CBD + CBDA x 0.877

N/D - Not Detected, B/LOQ - Below Limit of Quantification

Dr. Andrew Hall, Ph.D., Chief Scientific Officer

Ben Witten, MS, MT., Lab Director

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 1-833 TEST CBD



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# CERTIFICATE OF ANALYSIS



Order #: 32588  
Order Name: REG Extra  
Strength Watersol  
Batch#: 0620211  
Received: 06/20/2021  
Completed: 06/24/2021



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2405 Southwest Blvd  
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## TERPENES: TOTAL (0.015%)

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 404

Prepared: 06/20/2021 23:21:10

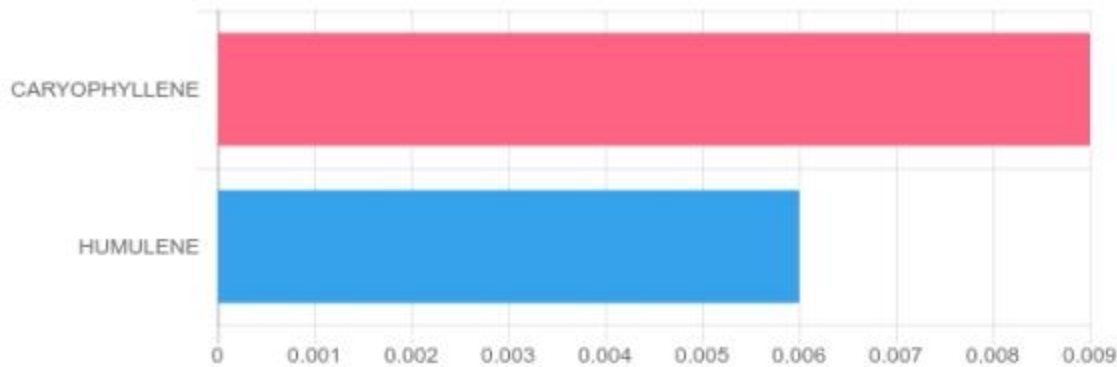
Uploaded: 06/21/2021 19:18:58

Terpene	Results (%)	LOQ (%)	LOD (%)
CARYOPHYLLENE	0.009%	0.0067%	0.0063%
HUMULENE	B/LOQ	0.0067%	0.0063%

## Terpenes Breakdown



## Top Terpenes Results:



## Tested for but not present:

ALPHA-PINENE, CAMPHENE, SABINENE, BETA-MYRCENE, BETA-PINENE, ALPHA-PHELLANDRENE, 3-CARENE, ALPHA-TERPINENE, TRANS-BETA-OCIMENE, LIMONENE, CIS-BETA-OCIMENE, EUCALYPTOL, GAMMA-TERPINENE, TERPINOLENE, SABINENE HYDRATE, LINALOOL, FENCHONE, FENCHOL, ISOPULEGOL, CAMPHOR, ISOBORNEOL, MENTHOL, BORNEOL, TERPINEOL (MIX OF ISOMERS), GAMMA-TERPINEOL, NEROL, GERANIOL, PULEGONE, GERANYL ACETATE, ALPHA-CEDRENE, VALENCENE, CIS-NEROLIDOL, TRANS-NEROLIDOL, GUAJOL, CARYOPHYLLENE OXIDE, CEDROL, ALPHA-BISABOLOL



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Dylan Swart, Lab Director

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# CERTIFICATE OF ANALYSIS

## ISO/IEC 17025:2017 ACCREDITATION

### #103104



Order #: 55282  
 Order Name: ZERO-Watersol-Nat  
 Batch#: 10004642  
 Received: 06/04/2021  
 Completed: 06/08/2021



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### PESTICIDE ANALYSIS:

GSL SOP 401

PREPARED:06/04/2021

16:42:58 GCMS-MS - Shimadzu GCMS-TQ8040

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
CAPTAN	0.700		N/D	0.003
0.001 CHLORDANE		0.100	N/D	0.003
0.001 CHLORFENAPYR		0.100	N/D	0.003
0.001 COUMAPHOS		0.100	N/D	0.003

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
CYFLUTHRIN	2.000		N/D	0.003
0.001 CYPERMETHRIN		1.000	N/D	0.003
0.001 PARATHION-METHYL		0.100	N/D	0.003
0.001 PENTACHLORONITROBENZENE		0.100		N/D

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
LCMS-MS - Shimadzu LCMS-8060				
ABAMECTIN B1A	0.100		N/D	0.005
0.001 ACEPHATE		0.100	N/D	0.001
0.001 ACEQUINOCYL		0.100	N/D	0.001
0.001 ACETAMIPRID		0.100	N/D	0.005
0.001 ALDICARB		0.100	N/D	0.005
0.001 AZOXYSTROBIN		0.100	N/D	0.001
0.001 BIFENAZATE		0.100	N/D	0.005
0.001 BIFENTHRIN		3.000	N/D	0.005
0.001 BOSCALID		0.100	N/D	0.005
0.001 CARBARYL		0.500	N/D	0.003
0.001 CARBOFURAN		0.100	N/D	0.001
0.001 CHLORANTRANILIPROLE		10.000	N/D	0.005
0.005 CHLORPYRIFOS		0.100	N/D	0.001
CLOFENTEZINE		0.100	N/D	0.001
0.001 DAMINOZIDE		0.100	N/D	0.005
DIAZINON		0.100	N/D	0.001
0.001 DICHLORVOS		0.100	N/D	0.005
0.001 DIMETHOATE		0.100	N/D	0.001
0.001 DIMETHOMORPH.001		2.000	N/D	0.005
0.001 ETHOPROPHO S		0.100	N/D	0.001
ETOF EN P RO X	0.100		N/D	0.001
0.001 ETOXAZOLE		0.100	N/D	0.010
0.005 FENHEXAMID		0.100	N/D	0.005
0.001 FENOXYCARB		0.100	N/D	0.005
0.001 FENPYROXIMATE		0.100	N/D	0.001
0.001 FIPRONIL		0.100	N/D	0.003
0.001 FLONICAMID		0.100	N/D	0.025
0.010 FLUDIOXONIL		0.100	N/D	0.003
0.001 HEXYTHIAZOX		0.100	N/D	0.005
0.001 IMAZALIL		0.100	N/D	0.005

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
IMIDACLOPRID	5.000		N/D	0.005
0.001 KRESOXIM-METHYL		0.100	N/D	0.010
0.005 MALATHION		0.500	N/D	0.005
0.001 METALAXYL		2.000	N/D	0.001
0.001 METHIOCARB		0.100	N/D	0.005
0.001 METHOMYL		1.000	N/D	0.001
0.001 MEVINPHOS		0.100	N/D	0.001
0.001 MYCLOBUTANIL		0.100	N/D	0.005
0.001 NALED		0.100	N/D	0.005
0.001 OXAMYL		0.500	N/D	0.001
0.001 PACLOBUTRAZOL		0.100	N/D	0.005
0.001 PERMETHRINS		0.500	N/D	0.005
0.001 PHOSMET		0.100	N/D	0.005
PIPERONY		3.000	N/D	0.001
LBUTOXIDE		0.001		
PRALLETH RIN		0.100	N/D	0.005
0.005 PROPICONAZOLE		0.100	N/D	0.010
0.005 PRO PO XU R		0.100	N/D	0.001
0.005 PYRETHRIN.001		0.500	N/D	0.005
S(PYRETHRINI)		0.005		
P YRIDAB EN		0.100	N/D	0.005
0.001 SPINETORAM		0.100	N/D	0.001
0.001 SPINOSAD		0.100	N/D	0.001
0.001 SPIROMESIFEN		0.100	N/D	0.005
0.001 SPIROTETRAMAT		0.100	N/D	0.001
0.001 SPIROXAMINE		0.100	N/D	0.001
0.001 TEBUCONAZOLE		0.100	N/D	0.005
0.001 THIACTOPRID		0.100	N/D	0.001
0.001 THIAMETHOXAM		5.000	N/D	0.001
0.001 TRIFLOXYSTROBIN		0.100	N/D	0.001

N/D = Not Detected, A/LOQ = Above LOQ Level, B/LOQ = Below LOQ Level, B/LOD = Below LOD Level

Dr. Andrew Hall, Ph.D., Chief Scientific Officer

Ben Witten, MS, MT., Lab Director

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## ISO/IEC 17025:2017 ACCREDITATION

**#103104**



Order #: 55282  
 Order Name: ZERO-  
 Watersol-  
 Nat  
 Batch#: 10004642  
 Received: 06/04/2021  
 Completed: 06/08/2021



**American Shaman**  
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 Kansas City Missouri, 64108  
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### RESIDUAL SOLVENTS:

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 405  
 Prepared: 06/04/2021  
 16:58:32

Residual Solvent	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
1,1-DICHLOROETHENE	8	N/D	0.63	
0.63 1,2-DICHLOROETHANE	2	N/D	0.12	
0.02 ACETONE	5,000	N/D	140	
20 ACETONITRILE	410	N/D	25	
1 BENZENE	1	N/D	1	
0.5 BUTANE	5,000	N/D	50	
10 CHLOROFORM	1	N/D	1	
0.5 CIS 1,2-DICHLOROETHENE	5	N/D	0.73	
0.18 ETHANOL	5,000	N/D	140	
20 ETHYL ACETATE	5,000	N/D	140	
20 ETHYL ETHER	5,000	N/D	140	
20 ETHYLENE OXIDE	1	N/D	0	
0 ISOPROPYL ALCOHOL	5,000	N/D	140	
20 METHANOL	3,000	N/D	100	
20 METHYLENE CHLORIDE	125	N/D	0.15	
0.15 N-HEPTANE	5,000	N/D	140	
20 N-HEXANE	290	N/D	18	
10 PENTANE	5,000	N/D	140	
20 PROPANE	5,000	N/D	20	
1 TOLUENE	890	N/D	53	
1 TRANS 1,2-DICHLOROETHENE	5	N/D	0.73	
0.18 TRICHLOROETHENE	1	N/D	1	
0.5 XYLENES	150	N/D	130	
20				

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### Microbial Analysis:

Microbial Analysis GSL SOP

PCR-Agilent  
 AriaMXTest

406Uploaded:06/05/2021

18:14:53

Test Method Used	Device Used	LOD	Allowable Criteria	Actual Result	Pass/Fail
STEC E. COLI* ABSENT	USP 61/62†	ARIAMX PCR	2 COPIES OF DNA	PRESENCE / BELOW LOD	PASS
SALMONELLA* ABSENT	USP 61/62†	ARIAMX PCR	5 COPIES OF DNA	PRESENCE / BELOW LOD	PASS
ASPERGILLUS	USP 61/62†	ARIAMX PCR	ASP_LOD***	PRESENCE / BELOW LOD	PASS

ABSENT † USP 61 (enumeration of bacteria TAC, TYM, and ENT/Coliform), USP 62 (identifying specific species E.coli Aspergillus etc)

\* STEC and Salmonella run as

Multiplex = 2 Copies of DNA / Fumigatis = 2 Copies of DNA Niger = 20 Copies of DNA / Terrus = 10 copies of DNA

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Order #: 55282  
 Order Name: ZERO-  
 Watersol-  
 Nat  
 Batch#: 10004642  
 Received: 06/04/2021  
 Completed: 06/08/2021



**American Shaman**  
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 Kansas City Missouri, 64108  
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 m



### Mycotoxin Analysis:

LC-MS - Shimadzu LCMS-  
 8060  
 GSL SOP 401  
 Uploaded: 06/05/2021  
 11:55:43

Analyte	Action Lvl (ppb)	Results (ppb)
AFLATOXIN B1	20	N/D
AFLATOXIN B2	20	
N/DAFLATOXING1	20	
AFLATOXIN G2	20	
CHRATOXIN A	20	
N/D		

LOQ is 4ppb, LOD is  
 1ppb

### Water Activity:

HD-3A Water Activity Meter - GSL SOP  
 407  
 Uploaded: 06/05/2021  
 11:39:18

#### Water

0.95

### Heavy Metals Analysis:

ICP-MS - Shimadzu ICPMS-  
 2030  
 GSL SOP 403  
 Uploaded: 06/04/2021  
 17:42:52

	Action Level (ppb)	Result (ppb)
ARSENIC(AS)	200	B/LOQ
CADMIUM(CD)	200	B/LOQ
MERCURY (HG)	100	
LEAD(PB)	500	

B/LOQ Lower Limit of Quantitation (LOQ) is 75 ppb

### Filth and Foreign Materials Analysis:

Microscope - Amscope Simul-Focal Trinocular Stereo Zoom Microscope - GSL SOP  
 409  
 Prepared: 06/05/2021 16:56:41  
 Uploaded: 06/05/2021 11:40:03

Pass: No Foreign Materials Detected

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