

Order #: 51344 Order Name: CBN Batch#: CBN Batch 11-19 Received: 04/10/2020 Completed: 04/13/2020

Chilmark Labs Albuquerque, NM



#### Sample



N/D D9-THC

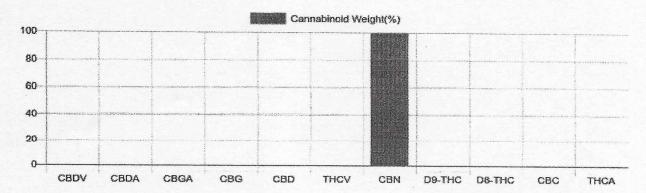
N/D Total CBD

#### **Cannabinoids Test**

SHIMADZU INTEGRATED UPLC-PDA

GSL SOP 400 PREPARED: 04/10/2020 14:34:37

Cannabinoids	LOQ	weight(%)	mg/g
D9-THC	10 PPM	N/D	N/D
THCA	10 PPM	N/D	N/D
CBD	10 PPM	N/D	N/D
CBDA	20 PPM	N/D	N/D
CBDV	20 PPM	N/D	N/D
CBC	10 PPM	N/D	N/D
CBN	10 PPM	99.518%	995.178
CBG	10 PPM	N/D	N/D
CBGA	20 PPM	N/D	N/D
D8-THC	10 PPM	N/D	N/D
THCV	10 PPM	N/D	N/D
TOTAL D9-THC		N/D	N/D
TOTAL CBD*		N/D	N/D
TOTAL CANNABINOIDS		99.518%	995.178



Reporting Limit 10 ppm
\*Total CBD = CBD + CBDA x 0.877
N/D - Not Detected, B/LOQ - Below Limit of Quantification

Am 789

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

BUL

Ben Witten, MS, MT., Lab Director

Green Scientific Labs info@greenscientificlabs.com 1-833 TEST CBD







Green Scientific Labs uses its best efforts to deliver high quality results and to verify that the data contained therein are based on sound scientific judgment and levels listed are guidelines only and all data was reported based on standard laboratory procedures and deviations. However Green Scientific Labs makes no warranties or claims to that effect and further shall not be liable for any damage or misrepresentation that may result from the use or misuse of the data contained herein in any way. Further, Green Scientific Labs makes no claims regarding representations of the analyzed sample to the larger batch from which it was taken. Data and information in this report are intended solely for the individual(s) for whom samples were submitted and as part of our strict confidentiality policy, Green Scientific Labs can only discuss results with the original client of record.



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#### **RESIDUAL SOLVENTS:**

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 405 Prepared: 04/10/2020 16:42:58

Residual Solvent	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
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
DICHLOROETHANE	1	N/D	1	0.5
DICHLOROMETHANE	1	N/D	1	0.5
ETHANOL	5,000	N/D	140	20
THYL ACETATE	5,000	N/D	140	20
THYL ETHER	5,000	N/D	140	20
SOPROPYL ALCOHOL	5,000	N/D	140	20
METHANOL	3,000	N/D	100	20
I-HEPTANE	5,000	N/D	140	20
I-HEXANE	290	N/D	18	10
PENTANE	5,000	N/D	140	20
PROPANE	5,000	N/D	20	1
OLUENE	890	N/D	53	1
RICHLOROETHENE		N/D	1	0.5
CYLENES	150	N/D	130	20

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

Ben Witten, MS, MT., Lab Director

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#### **PESTICIDE ANALYSIS:**

GSL SOP 401

PREPARED: 04/10/2020 17:01:04

LCMS-MS - Shimadzu LCMS-8060

ABAMECTIN B1A 0.100 N/D 0.005 0.001 IMIDACLOPRID 5.000 N/D 0.005 0.001 ACEPHATE 0.100 N/D 0.001 0.001 KRESOXIM-METHYL 0.100 N/D 0.010 0.005 ACEQLINOCYL 0.100 N/D 0.001 0.001 MALATHION 0.500 N/D 0.005 0.001 ACETAMIPRID 0.100 N/D 0.005 0.001 METHIOCARB 0.100 N/D 0.005 0.001 ACETAMIPRID 0.100 N/D 0.005 0.001 METHIOCARB 0.100 N/D 0.005 0.001 AZOXYSTROBIN 0.100 N/D 0.005 0.001 METHIOCARB 0.100 N/D 0.005 0.001 BIFENZATE 0.100 N/D 0.005 0.001 METHIOCARB 0.100 N/D 0.001 0.001 BIFENZATE 0.100 N/D 0.005 0.001 METHIOCARB 0.100 N/D 0.001 0.001 BIFENZATE 0.100 N/D 0.005 0.001 METHIOCARB 0.100 N/D 0.001 0.001 BIFENZATE 0.100 N/D 0.005 0.001 MYCLOBUTANIL 0.100 N/D 0.005 0.001 CARBARYL 0.500 N/D 0.005 0.001 NALED 0.100 N/D 0.005 0.001 CARBARYL 0.500 N/D 0.003 0.001 NALED 0.100 N/D 0.005 0.001 CARBARYL 0.500 N/D 0.003 0.001 OXAMYL 0.500 N/D 0.005 0.001 CARBARYL 0.500 N/D 0.005 0.001 PACLOBUTRAZOL 0.100 N/D 0.005 0.001 CARBARYL 0.500 N/D 0.005 0.001 PACLOBUTRAZOL 0.100 N/D 0.005 0.001 CHILORANTRANILIPROLE 10.000 N/D 0.005 0.001 PHOSMET 0.100 N/D 0.005 0.001 CLIOFENTEZINE 0.100 N/D 0.001 0.001 PHOSMET 0.100 N/D 0.005 0.001 CLOFENTEZINE 0.100 N/D 0.005 0.001 BUTOXIDE 0.100 N/D 0.005 0.005 DIMETHOATE 0.100 N/D 0.001 0.001 PRALLETHRIN 0.100 N/D 0.005 0.005 DIMETHOATE 0.100 N/D 0.001 0.001 PROPICONAZOLE 0.100 N/D 0.005 0.005 ETHOPROPHOS 0.100 N/D 0.001 0.001 PROPICONAZOLE 0.100 N/D 0.005 0.005 ETHOPROPHOS 0.100 N/D 0.001 0.001 PRETIFIRINS ETHOPROPHOS 0.100 N/D 0.001 0.001 PRETIFIRINS ETHOPROPHOS 0.100 N/D 0.005 0.001 PROPICONAZOLE 0.100 N/D 0.005 0.005 ETHOPROPHOS 0.100 N/D 0.001 0.001 PRETIFIRIN 0.100 N/D 0.005 0.001 ETOXAZOLE 0.100 N/D 0.001 0.001 PRETIFIRINS ETHOPROPHOS 0.100 N/D 0.005 0.001 SPINGTARM 0.100 N/D 0.005 0.001 ETOXAZOLE 0.100 N/D 0.001 0.001 SPINGMESIFEN 0.100 N/D 0.001 0.001 ETOXAZOLE 0.100 N/D 0.005 0.001 SPINGTARM 0.100 N/D 0.001 0.001 ETOXAZOLE 0.100 N/D 0.003 0.001 SPINGMESIFEN 0.100 N/D 0.005 0.001 ETOXAZOLE 0.100 N/D 0.005 0.001 THIALCOPRID 0.100 N/D 0.005 0.001 ETOXAZOLE 0.100 N/D 0.005 0.001 THIALCOPRID 0.100	Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)	Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
ACEPHATE 0,100 N/D 0,001 N/D 0,001 KRESOXIM-METHYL 0,100 N/D 0,010 0,005 0,001 ACEQUINOCYL 0,100 N/D 0,005 0,001 MALATHION 0,500 N/D 0,005 0,001 ACETAMIPRID 0,100 N/D 0,005 0,001 METALAXYL 2,000 N/D 0,005 0,001 ALDICARB 0,100 N/D 0,005 0,001 METHIOCARB 0,100 N/D 0,005 0,001 ALDICARB 0,100 N/D 0,005 0,001 METHIOCARB 0,100 N/D 0,005 0,001 ALDICARB 0,100 N/D 0,005 0,001 METHIOCARB 0,100 N/D 0,005 0,001 N/D 0,001 0,001 N/D 0,005 0,001 N/D 0,001 0,001 N/D 0,005 0,001 N/D 0,001 0,001 N/D 0,005 0,001 N/D 0,001 0,001 N/D 0,001 0,001 N/D 0,001 0,001 N/D 0,005 0,001 N/D 0,001 0,001 0,001 N/D 0,001 0,001 N/D 0,001 0,001 0,001 N/D 0,001 0,001 0,001 N/D 0,001 0,001 0,001 0,001 N/D 0,001 0,001 0,001 0,001 0,001 0,001	ABAMECTIN B1A	0.100	N/D	0.005	0.001	IMIDACLOPRID	consecutation contraction in the conference of the contraction of the	erceccondulation described and the contraction of t	on translation between an unique and the	\$50,000406060304060006000000600000
ACEGUINOCYL 0.100 N/D 0.001 0.001 MALATHION 0.500 N/D 0.005 0.001 ACETAMIPRID 0.100 N/D 0.005 0.001 METALAXYL 2.000 N/D 0.005 0.001 ALDICARB 0.100 N/D 0.005 0.001 METHICCARB 0.100 N/D 0.005 0.001 AZOXYSTROBIN 0.100 N/D 0.005 0.001 METHICCARB 0.100 N/D 0.001 0.001 0.001 METHICCARB 0.100 N/D 0.005 0.001 MEVINPHOS 0.100 N/D 0.001 0.00	ACEPHATE	0.100	N/D	0.001	0.001	KRESOXIM-METHYL	0.100			
ACETAMIPRID 0.100 N/D 0.005 0.001 METALAXYL 2.000 N/D 0.001 0.001 0.001 ALDICARB 0.100 N/D 0.005 0.001 METHIOCARB 0.100 N/D 0.005 0.001 AZOXYSTROBIN 0.100 N/D 0.005 0.001 METHIOMYL 1.000 N/D 0.005 0.001 BIFENAZATE 0.100 N/D 0.005 0.001 MEVINPHOS 0.100 N/D 0.001 0.001 0.001 BIFENAZATE 0.100 N/D 0.005 0.001 MEVINPHOS 0.100 N/D 0.005 0.001 BIFENAZATE 0.100 N/D 0.005 0.001 MEVINPHOS 0.100 N/D 0.005 0.001 MEVINPHOS 0.100 N/D 0.005 0.001 MEVINPHOS 0.100 N/D 0.005 0.001	ACEQUINOCYL	0.100	N/D	0.001	0.001	MALATHION	0.500			
ALDICARB 0.100 N/D 0.005 0.001 METHIOCARB 0.100 N/D 0.005 0.001 METHOMYL 1.000 N/D 0.001 0.001 0.001 BIFENAZATE 0.100 N/D 0.005 0.001 MEVINPHOS 0.100 N/D 0.001 0.001 BIFENTHRIN 3.000 N/D 0.005 0.001 MEVINPHOS 0.100 N/D 0.005 0.001 BISENTHRIN 3.000 N/D 0.005 0.001 MEVINPHOS 0.100 N/D 0.005 0.001 BOSCALID 0.100 N/D 0.005 0.001 MYCLOBUTANIL 0.100 N/D 0.005 0.001 BOSCALID 0.100 N/D 0.005 0.001 NALED 0.100 N/D 0.005 0.001 CARBARYL 0.500 N/D 0.003 0.001 0.001 0.000 N/D 0.005 0.001 CARBOFURAN 0.100 N/D 0.001 0.001 PACLOBUTRAZOL 0.100 N/D 0.005 0.001 CHLORANTRANILIPROLE 10.000 N/D 0.005 0.005 PERMETHRINS 0.500 N/D 0.005 0.001 CHLORPYRIFOS 0.100 N/D 0.001 0.001 PHOSMET 0.100 N/D 0.005 0.001 CHLORPYRIFOS 0.100 N/D 0.001 0.001 PHOSMET 0.100 N/D 0.005 0.001 DAMINOZIDE 0.100 N/D 0.005 0.001 BUTOXIDE 3.000 N/D 0.005 0.001 DIAZINON 0.100 N/D 0.005 0.001 PRALLETHRIN 0.100 N/D 0.005 0.005 DICHLORVOS 0.100 N/D 0.005 0.001 PROPICONAZOLE 0.100 N/D 0.005 0.005 DIMETHOATE 0.100 N/D 0.005 0.001 PROPICONAZOLE 0.100 N/D 0.005 0.005 DIMETHOMORPH 2.000 N/D 0.005 0.001 PYRETHRINS ETHOPROPHOS 0.100 N/D 0.001 0.001 PYRETHRINS ETHOPROPHOS 0.100 N/D 0.005 0.00		0.100	N/D	0.005	0.001	METALAXYL	2.000	N/D		
AZOXYSTROBIN 0.100 N/D 0.001 0.001 METHOMYL 1.000 N/D 0.001 0.001 0.001 METHOMYL 1.000 N/D 0.001		0.100	N/D	0.005	0.001	METHIOCARB	0.100			
BIFENAZATE 0.100 N/D 0.005 0.001 MEVINPHOS 0.100 N/D 0.001 0	AZOXYSTROBIN	0.100	N/D	0.001	0.001	METHOMYL	1.000		100000000000000000000000000000000000000	
BIFENTHRIN         3.000         N/D         0.005         0.001         MYCLOBUTANIL         0.100         N/D         0.005         0.001           BOSCALID         0.100         N/D         0.005         0.001         NALED         0.100         N/D         0.005         0.001           CARBARYL         0.500         N/D         0.003         0.001         OXAMYL         0.500         N/D         0.001         0.001           CARBOFURAN         0.100         N/D         0.001         0.001         OXAMYL         0.500         N/D         0.005         0.001           CHLORANTRANILIPROLE         10.000         N/D         0.005         0.005         PERMETHRINS         0.500         N/D         0.005         0.001           CHLORANTRANILIPROLE         10.000         N/D         0.005         0.005         PERMETHRINS         0.500         N/D         0.005         0.001           CHLORAYIFOS         0.100         N/D         0.001         0.001         PHOSMET         0.100         N/D         0.001         0.001           DIAZINON         0.100         N/D         0.005         0.001         BUTOXIDE         3.000         N/D         0.005         0.005	BIFENAZATE	0.100	N/D	0.005	0.001	MEVINPHOS	0.100			
BOSCALID         0.100         N/D         0.005         0.001         NALED         0.100         N/D         0.005         0.001           CARBARYL         0.500         N/D         0.003         0.001         OXAMYL         0.500         N/D         0.001         0.001           CARBOFURAN         0.100         N/D         0.001         0.001         PACLOBUTRAZOL         0.100         N/D         0.005         0.001           CHLORANTRANILIPROLE         10.000         N/D         0.005         0.005         PERMETHRINS         0.500         N/D         0.005         0.001           CHLORPYRIFOS         0.100         N/D         0.001         0.001         PHOSMET         0.100         N/D         0.005         0.001           CLOFENTEZINE         0.100         N/D         0.001         0.001         PHOSMET         0.100         N/D         0.005         0.001           DIAZINON         0.100         N/D         0.001         0.001         BUTOXIDE         3.000         N/D         0.005         0.005           DIMETHORYOS         0.100         N/D         0.001         PROPICONAZOLE         0.100         N/D         0.005         0.005           DIMETHO	BIFENTHRIN	3.000	N/D	0.005	0.001	MYCLOBUTANIL	0.100			1000000
CARBARYL 0.500 N/D 0.003 0.001 OXAMYL 0.500 N/D 0.001 0.001 CARBOFURAN 0.100 N/D 0.001 0.001 PACLOBUTRAZOL 0.100 N/D 0.005 0.001 CHLORANTRANILIPROLE 10.000 N/D 0.005 0.005 PERMETHRINS 0.500 N/D 0.005 0.001 CHLORAPYRIFOS 0.100 N/D 0.001 0.001 PHOSMET 0.100 N/D 0.005 0.001 CLOFENTEZINE 0.100 N/D 0.001 0.001 PHOSMET 0.100 N/D 0.005 0.001 DIAZINON 0.100 N/D 0.005 0.001 BUTOXIDE 3.000 N/D 0.005 0.001 DIAZINON 0.100 N/D 0.005 0.001 PRALLETHRIN 0.100 N/D 0.005 0.005 DICHLORVOS 0.100 N/D 0.005 0.001 PROPICONAZOLE 0.100 N/D 0.010 0.005 DIMETHOATE 0.100 N/D 0.005 0.001 PROPOXUR 0.100 N/D 0.001 0.001 DIMETHOMORPH 2.000 N/D 0.005 0.001 PROPOXUR 0.100 N/D 0.005 0.001 ETOFENPOX 0.100 N/D 0.001 0.001 PYRETHRINS ETHOPROPHOS 0.100 N/D 0.001 0.001 PYRIDABEN 0.100 N/D 0.005 0.001 ETOXAZOLE 0.100 N/D 0.001 0.001 PYRIDABEN 0.100 N/D 0.005 0.001 ETOXAZOLE 0.100 N/D 0.005 0.001 PYRIDABEN 0.100 N/D 0.005 0.001 ETOXAZOLE 0.100 N/D 0.005 0.001 SPINOSAD 0.100 N/D 0.001 0.001 FENNEYXCARB 0.100 N/D 0.005 0.001 SPIROMESIFEN 0.100 N/D 0.001 0.001 FENPYROXIMATE 0.100 N/D 0.003 0.001 SPIROMESIFEN 0.100 N/D 0.001 0.001 FENPYROXIMATE 0.100 N/D 0.003 0.001 SPIROMESIFEN 0.100 N/D 0.005 0.001 FENPYROXIMATE 0.100 N/D 0.003 0.001 SPIROMESIFEN 0.100 N/D 0.001 0.001 FENPYROXIMATE 0.100 N/D 0.003 0.001 TEBUCONAZOLE 0.100 N/D 0.005 0.001 FENPYROXIMATE 0.100 N/D 0.003 0.001 THIACLOPRID 0.100 N/D 0.005 0.001 FLONICAMID 0.100 N/D 0.003 0.001 THIACLOPRID 0.100 N/D 0.005 0.001 FLONICAMID 0.100 N/D 0.005 0.001 THIACLOPRID 0.100 N/D 0.005 0.001 FLONICAMID 0.100 N/D 0.005 0.001 THIACLOPRID 0.100 N/D 0.001 0.001	BOSCALID	0.100	N/D	0.005	0.001	NALED	0.100			
CARBOFURAN 0.100 N/D 0.001 0.001 PACLOBUTRAZOL 0.100 N/D 0.005 0.001 CHLORANTRANILIPROLE 10.000 N/D 0.005 0.005 PERMETHRINS 0.500 N/D 0.005 0.001 CHLORPYRIFOS 0.100 N/D 0.001 0.001 PHOSMET 0.100 N/D 0.005 0.001 CLOFENTEZINE 0.100 N/D 0.001 0.001 PHOSMET 0.100 N/D 0.005 0.001 DIAMINOZIDE 0.100 N/D 0.005 0.001 BUTOXIDE 3.000 N/D 0.001 0.001 DIAZINON 0.100 N/D 0.005 0.001 PRALLETHRIN 0.100 N/D 0.005 0.001 DIAZINON 0.100 N/D 0.005 0.001 PROPICONAZOLE 0.100 N/D 0.010 0.005 DIMETHOATE 0.100 N/D 0.005 0.001 PROPICONAZOLE 0.100 N/D 0.001 0.001 DIMETHOMORPH 2.000 N/D 0.005 0.001 PROPICONAZOLE 0.100 N/D 0.001 0.001 DIMETHOMORPH 2.000 N/D 0.005 0.001 PYRETHRINS ETHOPROPHOS 0.100 N/D 0.001 0.001 (PYRETHRIN) 0.500 N/D 0.005 0.005 ETOFENPROX 0.100 N/D 0.001 0.001 PYRIDABEN 0.100 N/D 0.005 0.001 ETOXAZOLE 0.100 N/D 0.005 0.001 PYRIDABEN 0.100 N/D 0.005 0.001 ETOXAZOLE 0.100 N/D 0.001 0.001 SPINOSAD 0.100 N/D 0.001 0.001 FENNEXAMID 0.100 N/D 0.005 0.001 SPINOSAD 0.100 N/D 0.001 0.001 FENNEXAMID 0.100 N/D 0.005 0.001 SPIROMESIFEN 0.100 N/D 0.005 0.001 FENNEXYCARB 0.100 N/D 0.005 0.001 SPIROMESIFEN 0.100 N/D 0.005 0.001 FENNEXYCARB 0.100 N/D 0.001 SPIROMESIFEN 0.100 N/D 0.005 0.001 FENNEXYCARB 0.100 N/D 0.001 SPIROMESIFEN 0.100 N/D 0.005 0.001 FENNEXYCARB 0.100 N/D 0.001 SPIROMESIFEN 0.100 N/D 0.005 0.001 FENNEXYCARB 0.100 N/D 0.001 SPIROMESIFEN 0.100 N/D 0.005 0.001 FENNEXYCARB 0.100 N/D 0.001 SPIROMESIFEN 0.100 N/D 0.005 0.001 FENNEXYCARB 0.100 N/D 0.001 SPIROMESIFEN 0.100 N/D 0.005 0.001 FENNEXYCARB 0.100 N/D 0.001 SPIROMESIFEN 0.100 N/D 0.005 0.001 FENNEXYCARB 0.100 N/D 0.001 SPIROMESIFEN 0.100 N/D 0.005 0.001 FENNEXYCARB 0.100 N/D 0.001 SPIROTETRAMAT 0.100 N/D 0.005 0.001 FLUDIOXONIL 0.100 N/D 0.003 0.001 THIACLOPRID 0.100 N/D 0.001 0.001 FLUDIOXONIL 0.100 N/D 0.003 0.001 THIACLOPRID 0.100 N/D 0.001 0.001 FLUDIOXONIL 0.100 N/D 0.005 0.001 THIACLOPRID 0.100 N/D 0.001 0.001	CARBARYL	0.500	N/D	0.003	0.001	OXAMYL	0.500			
CHLORANTRANILIPROLE 10.000 N/D 0.005 0.005 PERMETHRINS 0.500 N/D 0.005 0.001 CHLORPYRIFOS 0.100 N/D 0.001 0.001 PHOSMET 0.100 N/D 0.005 0.001 CLOFENTEZINE 0.100 N/D 0.005 0.001 PIPERONYL 0.100 N/D 0.005 0.001 DIAMINOZIDE 0.100 N/D 0.005 0.001 BUTOXIDE 3.000 N/D 0.005 0.001 DIAZINON 0.100 N/D 0.005 0.001 PRALLETHRIN 0.100 N/D 0.005 0.005 DIMETHOATE 0.100 N/D 0.005 0.001 PROPICONAZOLE 0.100 N/D 0.001 0.005 DIMETHOATE 0.100 N/D 0.005 0.001 PROPICONAZOLE 0.100 N/D 0.001 0.001 DIMETHOMORPH 2.000 N/D 0.005 0.001 PYRETHRINS 0.500 N/D 0.005 0.001 PYRETHRINS 0.500 N/D 0.005 0.005 ETOFENPROX 0.100 N/D 0.001 0.001 (PYRETHRIN I) 0.500 N/D 0.005 0.001 ETOXAZOLE 0.100 N/D 0.005 0.001 PYRIDABEN 0.100 N/D 0.005 0.001 ETOXAZOLE 0.100 N/D 0.001 0.001 PYRIDABEN 0.100 N/D 0.005 0.001 FENHEXAMID 0.100 N/D 0.005 0.001 SPINETORAM 0.100 N/D 0.001 0.001 FENHEXAMID 0.100 N/D 0.005 0.001 SPINOSAD 0.100 N/D 0.001 0.001 FENHEXAMID 0.100 N/D 0.005 0.001 SPINOSAD 0.100 N/D 0.001 0.001 FENHEXAMID 0.100 N/D 0.005 0.001 SPIROMESIFEN 0.100 N/D 0.001 0.001 FENHEXAMID 0.100 N/D 0.005 0.001 SPIROMESIFEN 0.100 N/D 0.005 0.001 FENHEYROXIMATE 0.100 N/D 0.005 0.001 SPIROMESIFEN 0.100 N/D 0.005 0.001 FIROMESIFEN 0.100 N/D 0.001 0.001 FIROMIL 0.100 N/D 0.005 0.001 SPIROTETRAMAT 0.100 N/D 0.001 0.001 FIROMIL 0.100 N/D 0.005 0.001 THIACLOPRID 0.100 N/D 0.005 0.001 FILOMICAMID 0.100 N/D 0.005 0.001 THIACLOPRID 0.100 N/D 0.005 0.001 FILOMICAMID 0.100 N/D 0.005 0.001 THIACLOPRID 0.100 N/D 0.005 0.001	CARBOFURAN	0.100	N/D	0.001	0.001	PACLOBUTRAZOL				
CHLORPYRIFOS 0.100 N/D 0.001 0.001 PHOSMET 0.100 N/D 0.005 0.001 CLOFENTEZINE 0.100 N/D 0.005 0.001 PIPERONYL 3.000 N/D 0.001 0.001 DIMINOZIDE 0.100 N/D 0.005 0.001 BUTOXIDE 3.000 N/D 0.001 0.001 DIAZINON 0.100 N/D 0.005 0.001 PRALLETHRIN 0.100 N/D 0.005 0.005 DIMETHOATE 0.100 N/D 0.005 0.001 PROPICONAZOLE 0.100 N/D 0.010 0.005 DIMETHOATE 0.100 N/D 0.001 0.001 PROPOXUR 0.100 N/D 0.001 0.001 DIMETHOMORPH 2.000 N/D 0.005 0.001 PRETHRINS ETHOPROPHOS 0.100 N/D 0.001 0.001 (PYRETHRINS) 0.500 N/D 0.005 0.001 PROPICONAZOLE 0.100 N/D 0.005 0.005 DIMETHOROPHOS 0.100 N/D 0.001 0.001 (PYRETHRINS) 0.500 N/D 0.005 0.001 PROPICONAZOLE 0.100 N/D 0.005 0.001 PROPICONAZOLE 0.100 N/D 0.005 0.005 DIMETHOROPHOS 0.100 N/D 0.001 0.001 (PYRETHRINS) 0.500 N/D 0.005 0.005 DIMETHOROPHOS 0.100 N/D 0.001 0.001 (PYRETHRINS) 0.500 N/D 0.005 0.001 DIMETHOROPHOS 0.100 N/D 0.001 0.001 PROPICONAZOLE 0.100 N/D 0.005 0.001 PROPICONAZOLE 0.100 N/D 0.001	CHLORANTRANILIPROLE	10.000	N/D	0.005	0.005	PERMETHRINS				
CLOFENTEZINE 0.100 N/D 0.001 0.001 PIPERONYL 3.000 N/D 0.001 0.001 DIAMINOZIDE 0.100 N/D 0.005 0.001 BUTOXIDE 3.000 N/D 0.001 0.001 0.001 DIAZINON 0.100 N/D 0.005 0.001 PRALLETHRIN 0.100 N/D 0.005 0.005 DICHLORVOS 0.100 N/D 0.005 0.001 PROPICONAZOLE 0.100 N/D 0.010 0.005 DIMETHOATE 0.100 N/D 0.001 0.001 PROPOXUR 0.100 N/D 0.001 0.001 DIMETHOMORPH 2.000 N/D 0.005 0.001 PYRETHRINS 0.500 N/D 0.005 0.005 ETHOPROPHOS 0.100 N/D 0.001 0.001 (PYRETHRIN I) 0.500 N/D 0.005 0.001 PYRIDABEN 0.100 N/D 0.001 0.00	CHLORPYRIFOS	0.100	N/D	0.001	0.001	PHOSMET				7.37.0.3
DIAZINON 0.100 N/D 0.001 0.001 PRALLETHRIN 0.100 N/D 0.005 0.005 DIAZINON 0.100 N/D 0.001 0.001 PROPICONAZOLE 0.100 N/D 0.010 0.005 DIMETHOATE 0.100 N/D 0.001 0.001 PROPICONAZOLE 0.100 N/D 0.001 0.001 DIMETHOMORPH 2.000 N/D 0.005 0.001 PYRETHRINS ETHOPROPHOS 0.100 N/D 0.001 0.001 (PYRETHRIN) 0.500 N/D 0.005 0.005 ETOFENPROX 0.100 N/D 0.001 0.001 PYRIDABEN 0.100 N/D 0.005 0.001 ETOXAZOLE 0.100 N/D 0.010 0.005 SPINETORAM 0.100 N/D 0.001 0.001 FENHEXAMID 0.100 N/D 0.005 0.001 SPIROMESIFEN 0.100 N/D 0.001 0.001 FENDXYCARB 0.100 N/D 0.005 0.001 SPIROMESIFEN 0.100 N/D 0.005 0.001 FENPYROXIMATE 0.100 N/D 0.001 0.001 SPIROTETRAMAT 0.100 N/D 0.005 0.001 FIRONIL 0.100 N/D 0.003 0.001 SPIROXAMINE 0.100 N/D 0.001 0.001 FLONICAMID 0.100 N/D 0.003 0.001 SPIROXAMINE 0.100 N/D 0.001 0.001 FLONICAMID 0.100 N/D 0.003 0.001 TEBUCONAZOLE 0.100 N/D 0.005 0.001 FLONICAMID 0.100 N/D 0.003 0.001 THIACLOPRID 0.100 N/D 0.001 0.001 FLONICAMID 0.100 N/D 0.003 0.001 THIACLOPRID 0.100 N/D 0.001 0.001 FLONICAMID 0.100 N/D 0.003 0.001 THIACLOPRID 0.100 N/D 0.001 0.001 FLONICAMID 0.100 N/D 0.005 0.001 THIACLOPRID 0.100 N/D 0.001 0.001 FLONICAMID 0.100 N/D 0.005 0.001 THIACLOPRID 0.100 N/D 0.001 0.001	CLOFENTEZINE	0.100	N/D	0.001	0.001	PIPERONYL				
DICHLORVOS   0.100	DAMINOZIDE	0.100	N/D	0.005	0.001	BUTOXIDE	3.000	N/D	0.001	0.001
DICHLORVOS         0.100         N/D         0.005         0.001         PROPICONAZOLE         0.100         N/D         0.001         0.005           DIMETHOATE         0.100         N/D         0.001         0.001         0.001         PROPOXUR         0.100         N/D         0.001         0.001           DIMETHOMORPH         2.000         N/D         0.005         0.001         PYRETHRINS         0.500         N/D         0.005         0.005           ETHOPROPHOS         0.100         N/D         0.001         0.001         (PYRETHRINS)         0.500         N/D         0.005         0.005           ETOFENPROX         0.100         N/D         0.001         0.001         PYRIDABEN         0.100         N/D         0.005         0.001           ETOXAZOLE         0.100         N/D         0.010         0.005         SPINETORAM         0.100         N/D         0.001         0.001           FENHEXAMID         0.100         N/D         0.005         0.001         SPIROTERAM         0.100         N/D         0.001         0.001           FENDYCARB         0.100         N/D         0.005         0.001         SPIROMESIFEN         0.100         N/D         0.001         <	DIAZINON	0.100	N/D	0.001	0.001	PRALLETHRIN	0.100	N/D	0.005	0.005
DIMETHOATE         0.100         N/D         0.001         0.001         PROPOXUR         0.100         N/D         0.001         0.001           DIMETHOMORPH         2.000         N/D         0.005         0.001         PYRETHRINS         0.500         N/D         0.005         0.005           ETHOPROPHOS         0.100         N/D         0.001         0.001         (PYRETHRIN I)         0.500         N/D         0.005         0.005           ETOFENPROX         0.100         N/D         0.001         0.001         PYRIDABEN         0.100         N/D         0.005         0.001           ETOXAZOLE         0.100         N/D         0.010         0.005         SPINETORAM         0.100         N/D         0.001         0.001           FENHEXAMID         0.100         N/D         0.005         0.001         SPINOTERM         0.100         N/D         0.001         0.001           FENOXYCARB         0.100         N/D         0.005         0.001         SPIROMESIFEN         0.100         N/D         0.001         0.001           FENPYROXIMATE         0.100         N/D         0.003         0.001         SPIROXAMINE         0.100         N/D         0.001         0.001 <td>DICHLORVOS</td> <td>0.100</td> <td>N/D</td> <td>0.005</td> <td>0.001</td> <td>PROPICONAZOLE</td> <td></td> <td></td> <td></td> <td></td>	DICHLORVOS	0.100	N/D	0.005	0.001	PROPICONAZOLE				
DIMETHOMORPH         2.000         N/D         0.005         0.001         PYRETHRINS         0.500         N/D         0.005         0.005           ETHOPROPHOS         0.100         N/D         0.001         0.001         (PYRETHRIN I)         0.500         N/D         0.005         0.005           ETOFENPROX         0.100         N/D         0.001         0.001         PYRIDABEN         0.100         N/D         0.005         0.001           ETOXAZOLE         0.100         N/D         0.010         0.005         SPINETORAM         0.100         N/D         0.001         0.001           FENHEXAMID         0.100         N/D         0.005         0.001         SPINOSAD         0.100         N/D         0.001         0.001           FENOXYCARB         0.100         N/D         0.005         0.001         SPIROMESIFEN         0.100         N/D         0.005         0.001           FENPYROXIMATE         0.100         N/D         0.001         SPIROTETRAMAT         0.100         N/D         0.001         0.001           FICONICAMID         0.100         N/D         0.003         0.001         SPIROXAMINE         0.100         N/D         0.001         0.001	DIMETHOATE	0.100	N/D	0.001	0.001	PROPOXUR				
ETHOPROPHOS 0.100 N/D 0.001 0.001 (PYRETHRIN I) 0.500 N/D 0.005 0.005 ETOFENPROX 0.100 N/D 0.001 0.001 PYRIDABEN 0.100 N/D 0.005 0.001 ETOXAZOLE 0.100 N/D 0.010 0.005 SPINETORAM 0.100 N/D 0.001 0.001 FENHEXAMID 0.100 N/D 0.005 0.001 SPINOSAD 0.100 N/D 0.001 0.001 FENOXYCARB 0.100 N/D 0.005 0.001 SPIROMESIFEN 0.100 N/D 0.005 0.001 FENDAYCARB 0.100 N/D 0.001 0.001 SPIROMESIFEN 0.100 N/D 0.005 0.001 FENDAYCAMATE 0.100 N/D 0.001 0.001 SPIROTETRAMAT 0.100 N/D 0.001 0.001 FIPRONIL 0.100 N/D 0.003 0.001 SPIROXAMINE 0.100 N/D 0.001 0.001 FLONICAMID 0.100 N/D 0.003 0.001 TEBUCONAZOLE 0.100 N/D 0.005 0.001 FLONICAMID 0.100 N/D 0.003 0.001 THIACLOPRID 0.100 N/D 0.001 0.001 0.001 N/D 0.001 0.001 0.001 FLONICAMID 0.100 N/D 0.003 0.001 THIACLOPRID 0.100 N/D 0.001 0.	DIMETHOMORPH	2.000	N/D	0.005	0.001			1475	0.001	0.001
ETOXAZOLE 0.100 N/D 0.010 0.005 SPINETORAM 0.100 N/D 0.001 0.001 FENHEXAMID 0.100 N/D 0.005 0.001 SPINOSAD 0.100 N/D 0.001 0.0	ETHOPROPHOS	0.100	N/D	0.001	0.001	The state of the s	0.500	N/D	0.005	0.005
ETOXAZOLE         0.100         N/D         0.010         0.005         SPINETORAM         0.100         N/D         0.001         0.001           FENHEXAMID         0.100         N/D         0.005         0.001         SPINOSAD         0.100         N/D         0.001         0.001           FENOXYCARB         0.100         N/D         0.005         0.001         SPIROMESIFEN         0.100         N/D         0.005         0.001           FENPYROXIMATE         0.100         N/D         0.001         0.001         SPIROTETRAMAT         0.100         N/D         0.001         0.001           FIPRONIL         0.100         N/D         0.003         0.001         SPIROXAMINE         0.100         N/D         0.001         0.001           FLONICAMID         0.100         N/D         0.025         0.010         TEBUCONAZOLE         0.100         N/D         0.005         0.001           FLUDIOXONIL         0.100         N/D         0.003         0.001         THIACLOPRID         0.100         N/D         0.001         0.001           MAZALII         0.100         N/D         0.005         0.001         TRICKINEZIONAM         5.000         N/D         0.001	ETOFENPROX	0.100	N/D	0.001	0.001	PYRIDABEN	0.100	N/D	0.005	0.001
FENHEXAMID 0.100 N/D 0.005 0.001 SPINOSAD 0.100 N/D 0.001 0.001 FENOXYCARB 0.100 N/D 0.005 0.001 SPIROMESIFEN 0.100 N/D 0.005 0.001 SPIROMESIFEN 0.100 N/D 0.005 0.001 FENPYROXIMATE 0.100 N/D 0.001 0.001 SPIROTETRAMAT 0.100 N/D 0.001 0.001 FIPRONIL 0.100 N/D 0.003 0.001 SPIROXAMINE 0.100 N/D 0.001 0.001 FLONICAMID 0.100 N/D 0.025 0.010 TEBUCONAZOLE 0.100 N/D 0.005 0.001 FLUDIOXONIL 0.100 N/D 0.003 0.001 THIACLOPRID 0.100 N/D 0.001 0.001 0.001 N/D 0.001	ETOXAZOLE	0.100	N/D	0.010	0.005	SPINETORAM			101701010	
FENOXYCARB 0.100 N/D 0.005 0.001 SPIROMESIFEN 0.100 N/D 0.005 0.001 FENPYROXIMATE 0.100 N/D 0.001 0.001 SPIROTETRAMAT 0.100 N/D 0.001 0.00	FENHEXAMID	0.100	N/D	0.005	0.001	SPINOSAD				100000
FENPYROXIMATE 0.100 N/D 0.001 0.001 SPIROTETRAMAT 0.100 N/D 0.001 0.001 FIPRONIL 0.100 N/D 0.003 0.001 SPIROXAMINE 0.100 N/D 0.001 0	FENOXYCARB	0.100	N/D	0.005	0.001	SPIROMESIFEN	0.100			
FIPRONIL         0.100         N/D         0.003         0.001         SPIROXAMINE         0.100         N/D         0.001         0.001           FLONICAMID         0.100         N/D         0.025         0.010         TEBUCONAZOLE         0.100         N/D         0.005         0.001           FLUDIOXONIL         0.100         N/D         0.003         0.001         THIACLOPRID         0.100         N/D         0.001         0.001           HEXYTHIAZOX         0.100         N/D         0.005         0.001         TRIMETHOXAM         5.000         N/D         0.001         0.001	FENPYROXIMATE	0.100	N/D	0.001	0.001	SPIROTETRAMAT				
FLONICAMID 0.100 N/D 0.025 0.010 TEBUCONAZOLE 0.100 N/D 0.005 0.001 FLUDIOXONIL 0.100 N/D 0.003 0.001 THIACLOPRID 0.100 N/D 0.001 0.001 HEXYTHIAZOX 0.100 N/D 0.005 0.001 THIAMETHOXAM 5.000 N/D 0.001 0.001 N/D 0.005 0.001 THIAMETHOXAM 5.000 N/D 0.001 0.001	FIPRONIL	0.100	N/D	0.003	0.001	SPIROXAMINE	0.100			
FLUDIOXONIL 0.100 N/D 0.003 0.001 THIACLOPRID 0.100 N/D 0.001 0.001 HEXYTHIAZOX 0.100 N/D 0.005 0.001 THIAMETHOXAM 5.000 N/D 0.001 0.001	FLONICAMID	0.100	N/D	0.025	0.010	TEBUCONAZOLE				
HEXYTHIAZOX 0.100 N/D 0.005 0.001 THIAMETHOXAM 5.000 N/D 0.001 0.001	FLUDIOXONIL	0.100	N/D	0.003						
MAZALII 0.400 NID 0.001 C.001	HEXYTHIAZOX	0.100								
	IMAZALIL	0.100	N/D							

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

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

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Ben Witten, MS, MT., Lab Director

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Order #: 51344 Order Name: CBN Batch#: CBN Batch 11-19 Received: 04/10/2020 Completed: 04/13/2020

Chilmark Labs Albuquerque, NM



### **Heavy Metals Analysis:**

ICP-MS - Shimadzu ICPMS-2030 GSL SOP 403

Uploaded: 04/23/2020 16:05:53

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

Lower Limit of Quantitation (LOQ) is 75 ppb

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

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Ben Witten, MS, MT., Lab Director

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