



DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

R&D

SN INC
5933 NE WIN SIVERS DR
PORTLAND, OR 97220

Batch # 040722
Batch Date: 2022-04-07
Extracted From: Hemp

Test Reg State: Oregon

Order # SNI220407-080001
Order Date: 2022-04-07
Sample # AACR540

Sampling Date: 2022-04-12
Lab Batch Date: 2022-04-12
Completion Date: 2022-04-15

Initial Gross Weight: 103.804 g



Product Image

Potency Tested

Terpenes Tested

Heavy Metals Passed

Mycotoxins Passed

Pesticides Passed

Residual Solvents Passed

Potency 21 (LCUV)

Specimen Weight: 57.580 mg

Tested (LCUV)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	1000.000	0.000054	0.0015	542.3000	54.2300
CBC	10.000	0.000018	0.0015	5.0310	0.5031
Delta-8 THC	10.000	0.000026	0.0015	4.3710	0.4371
CBT	10.000	0.0002	0.0015	3.6710	0.3671
CBG	10.000	0.000248	0.0015	3.3150	0.3315
CBN	10.000	0.000014	0.0015	3.1800	0.3180
CBDV	10.000	0.000065	0.0015	2.5670	0.2567
CBL	10.000	0.000035	0.0015	0.9710	0.0971
CBDVA	10.000	0.000014	0.0015	<LOQ	
CBDA	10.000	0.00001	0.0015	<LOQ	
THCA	10.000	0.000032	0.0015	<LOQ	
THCVA	10.000	0.000047	0.0015	<LOQ	
THCV	10.000	0.000007	0.0015	<LOQ	
CBGA	10.000	0.000008	0.0015	<LOQ	
Exo-THC	10.000	0.00023	0.0015	<LOQ	
Delta-9 THC-O Acetate	10.000	0.000077	0.0003	<LOQ	
CBCA	10.000	0.000107	0.0015	<LOQ	
Delta-8 THCv	10.000	0.00004	0.0015	<LOQ	
Delta-8 THC-O Acetate	10.000	0.000027	0.0003	<LOQ	
CBNA	10.000	0.000095	0.0015	<LOQ	
Delta-9 THC	10.000	0.000013	0.0015	<LOQ	

Potency Summary

Total THC None Detected	Total CBD 54.230%
Total CBG 0.332%	Total CBN 0.318%
Other Cannabinoids 1.661%	Total Cannabinoids 56.541%

Terpenes Summary

Analyte	Result (mg/g)	(%)
(R)-(+)-Limonene	12.834	1.283%
trans-Caryophyllene	9.855	0.986%
beta-Myrcene	8.821	0.882%
Linalool	2.848	0.285%
Fenchyl Alcohol	2.308	0.231%
beta-Pinene	2.093	0.209%
alpha-Pinene	1.585	0.158%
alpha-Bisabolol	1.427	0.143%
alpha-Humulene	1.041	0.104%
Total Terpineol	0.994	0.099%
3-Carene	0.922	0.092%

Total Terpenes: 4.472%

Detailed Terpenes Analysis is on the following page

Xueli Gao
Ph.D., DABT
Lab Toxicologist

Aixia Sun
D.H.Sc., M.Sc., B.Sc., MT (AAB)
Lab Director/Principal Scientist



Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), *Total THC = THCA-A * 0.877 + Delta 9 THC, *Total THCV = THCV + (THCVA * 0.87), *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Total CBC = CBC + (CBCA * 0.877), *Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, *Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, *Total Detected Cannabinoids = Delta6a10a-THC + Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate, *Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, *Measurement of Uncertainty = +/- 10%



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Completion Date: 2022-04-15

Initial Gross Weight: 103.804 g

Terpenes

Specimen Weight: 59.240 mg

Tested
(GC/GCMS)

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(R)-(-)-Limonene	0.002	12.834	1.283	Guaiol	0.002	<LOQ	<LOQ
trans-Caryophyllene	0.002	9.855	0.986	trans-Nerolidol	0.002	<LOQ	<LOQ
beta-Myrcene	0.002	8.821	0.882	Hexahydrothymol	0.002	<LOQ	<LOQ
Linalool	0.002	2.848	0.285	(+)-Cedrol	0.002	<LOQ	<LOQ
Fenchyl Alcohol	0.002	2.308	0.231	Geranyl acetate	0.002	<LOQ	<LOQ
beta-Pinene	0.002	2.093	0.209	Geraniol	0.002	<LOQ	<LOQ
alpha-Pinene	0.002	1.585	0.158	Gamma-Terpinene	0.002	<LOQ	<LOQ
alpha-Bisabolol	0.002	1.427	0.143	Fenchone	0.002	<LOQ	<LOQ
alpha-Humulene	0.002	1.041	0.104	Farnesene	0.002	<LOQ	<LOQ
Total Terpineol	0.001	0.994	0.099	Eucalyptol	0.002	<LOQ	<LOQ
3-Carene	0.002	0.922	0.092	cis-Nerolidol	0.002	<LOQ	<LOQ
Nerol	0.002	<LOQ	<LOQ	Caryophyllene oxide	0.002	<LOQ	<LOQ
Isoborneol	0.002	<LOQ	<LOQ	Camphors	0.006	<LOQ	<LOQ
Isopulegol	0.002	<LOQ	<LOQ	Camphene	0.002	<LOQ	<LOQ
Terpinolene	0.002	<LOQ	<LOQ	Borneol	0.004	<LOQ	<LOQ
Ocimene	0.000	<LOQ	<LOQ	alpha-Terpinene	0.002	<LOQ	<LOQ
Pulegone	0.002	<LOQ	<LOQ	alpha-Phellandrene	0.002	<LOQ	<LOQ
Sabinene	0.002	<LOQ	<LOQ	alpha-Cedrene	0.002	<LOQ	<LOQ
Sabinene Hydrate	0.002	<LOQ	<LOQ	Valencene	0.002	<LOQ	<LOQ

Total Terpenes: 4.472%

Mycotoxins

Specimen Weight: 265.000 mg

Dilution Factor: 5.660

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	6	20	<LOQ	Aflatoxin G2	6	20	<LOQ
Aflatoxin B2	6	20	<LOQ	Ochratoxin A	12	20	<LOQ
Aflatoxin G1	6	20	<LOQ				

Passed Heavy Metals

Specimen Weight: 250.200 mg

Dilution Factor: 199

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	100	1500	<LOQ	Lead (Pb)	100	500	<LOQ
Cadmium (Cd)	100	500	<LOQ	Mercury (Hg)	100	3000	<LOQ

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Pesticides

Specimen Weight: 265.000 mg

Dilution Factor: 5.660

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	28.23	300	<LOQ	Imazalil	30	100	<LOQ
Acephate	30	3000	<LOQ	Imidacloprid	30	3000	<LOQ
Acequinocyl	48	2000	<LOQ	Kresoxim Methyl	30	1000	<LOQ
Acetaminiprid	30	3000	<LOQ	Malathion	30	2000	<LOQ
Aldicarb	30	100	<LOQ	Metaxalyl	10	3000	<LOQ
Azoxystrobin	10	3000	<LOQ	Methiocarb	30	100	<LOQ
Bifenazate	30	3000	<LOQ	Methomyl	30	100	<LOQ
Bifenthrin	30	500	<LOQ	Mevinphos	30	100	<LOQ
Carbaryl	10	500	<LOQ	Myclobutanil	30	3000	<LOQ
Chlorfenapyr	48	100	<LOQ	Naled	30	500	<LOQ
Chlorpyrifos	30	100	<LOQ	Oxamyl	30	500	<LOQ
Clofentezine	30	500	<LOQ	Pacloutrazol	30	100	<LOQ
Coumaphos	30	100	<LOQ	Parathion-methyl	48	100	<LOQ
Cyfluthrin	30	1000	<LOQ	Pentachloronitrobenzene	30	200	<LOQ
Cypermethrin	30	1000	<LOQ	Permethrin	30	1000	<LOQ
Daminozide	30	100	<LOQ	Phosmet	30	200	<LOQ
Diazinon	30	200	<LOQ	Piperonylbutoxide	30	3000	<LOQ
Dichlorvos	30	100	<LOQ	Prallethrin	30	400	<LOQ
Dimethoate	30	100	<LOQ	Propiconazole	30	1000	<LOQ
Dimethomorph	30	3000	<LOQ	Propoxur	30	100	<LOQ
Ethoprophos	30	100	<LOQ	Pyrethrins	30	1000	<LOQ
Etofenprox	30	100	<LOQ	Pyridaben	30	3000	<LOQ
Etoxazole	30	1500	<LOQ	Spinetoram	30	3000	<LOQ
Fenhexamid	30	3000	<LOQ	Spiromesifen	30	3000	<LOQ
Fenoxycarb	30	100	<LOQ	Spirotetramat	30	3000	<LOQ
Fenpyroximate	30	2000	<LOQ	Spiroxamine	30	100	<LOQ
Fipronil	30	100	<LOQ	Tebuconazole	30	1000	<LOQ
Fonicamid	30	2000	<LOQ	Thiacloprid	30	100	<LOQ
Fludioxonil	30	3000	<LOQ	Thiamethoxam	30	1000	<LOQ
Hexythiazox	30	2000	<LOQ	Trifloxystrobin	30	3000	<LOQ

Passed
(LCMS/GCMS)



Residual Solvents - FL (CBD)

Specimen Weight: 155.200 mg

Dilution Factor: 500.000

Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.16	8	<LOQ	Heptane	1.39	5000	<LOQ
1,2-Dichloroethane	0.04	5	<LOQ	Hexane	1.17	290	<LOQ
Acetone	2.08	5000	<LOQ	Isopropyl alcohol	1.39	500	<LOQ
Acetonitrile	1.17	410	<LOQ	Methanol	0.69	3000	<LOQ
Benzene	0.02	2	<LOQ	Methylene chloride	2.43	600	<LOQ
Butanes	2.5	2000	<LOQ	Pentane	2.08	5000	<LOQ
Chloroform	0.04	60	<LOQ	Propane	5.83	2100	<LOQ
Ethanol	2.78	5000	<LOQ	Toluene	2.92	890	<LOQ
Ethyl Acetate	1.11	5000	<LOQ	Total Xylenes	2.92	2170	<LOQ
Ethyl Ether	1.39	5000	<LOQ	Trichloroethylene	0.49	80	<LOQ
Ethylene Oxide	0.1	5	<LOQ				

Passed
(GCMS)

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