NC Controlled Substance License #:
NC-DHHS-1002881
DEA Controlled Substance License #:
RD0577986
ISO 17025 Certification:
PENDING
Proficiency Testing Enrolled:
Hemp PT Program U of Kentucky
Regulatory Services

Delta 9 Analytical

Professional, Accurate, Responsive

Laboratory Location
6308 Angus Drive, Ste B
Raleigh NC 27617
919-673-7153 / 919-450-1870
frank@delta9analytical.com
michael@delta9analytical.com

Grower/Processor Lic: **NC HP579**
Received Date: 11232020
Reported Date: 12042020
Sample ID: **1239**

Sample Strain: **Cheese**
Sample Type: Flower
Sample Matrix: Hemp; Cured
Sample Size: 10.3g

CANNABINOID SUMMARY

TOTAL CANNABINOIDS: 14.08%
TOTAL CBD: 11.57%
TOTAL THC: 0.6170%
Δ9-THC: 0.2004%

BATCH PHOTO

TERPENE SUMMARY

TOTAL: 1.558%

PRIMARY AROMAS
Spicy, Woody, Fresh, Earthy, Piney, Sweet

CANNABINOIDS (*Liquid Chromatography Mass Spectrometry - LCMS*)

ANALYTE	MASS (%)	MASS (mg/g)	LOQ (%)	ANALYTE	MASS (%)	MASS (mg/g)	LOQ (%)
Cannabinol ***(CBN)***	ND	ND	0.05	Cannabidolic Acid ***(CBDA)***	10.9951	109.951	0.05
Δ8-THC	ND	ND	0.05	Δ9-THC Acid ***(THCA)***	0.475	4.75	0.05
Cannabichromene ***(CBC)***	0.1436	1.436	0.05	THC-varian ***(THCV)***	ND	ND	0.05
Cannabigerol ***(CBG)***	0.0774	0.774	0.05	***Δ9-THC	0.2004	2.004	0.05
Cannabidiol ***(CBD)***	1.9255	19.255	0.05	**TOTAL CANNABINOIDS	14.078	140.78	
Cannabigerolic Acid ***(CBGA)***	0.2612	2.612	0.05	*TOTAL THC	0.617	6.17	
Cannabidivarin ***(CBDV)***	ND	ND	0.05	*TOTAL CBD	11.568	115.68	

TERPENES (*GC FID*)

Calculated as follows: Total CBD/G = CBD/GA% (0.877) + CBD/G%. Total THC = THCA% (0.877) + Δ9-THC %.* **Total Cannabinoids is the absolute sum of all cannabinoids detected. **ND = Not Detected

ANALYTE	MASS (%)	MASS (mg/g)	LOQ (%)	ANALYTE	MASS (%)	MASS (mg/g)	LOQ (%)
β-Myrcene	0.7055	7.055	0.005	Terpinolene	<0.005	<0.05	0.005
α-Pinene	0.2103	2.103	0.005	Guaiol	<0.005	<0.05	0.005
α-Bisabolol	0.1419	1.419	0.005	Camphene	<0.005	<0.05	0.005
δ-Limonene	0.1146	1.146	0.005	α-Ocimene 1	<0.005	<0.05	0.005
trans-Nerolidol 2	0.0834	0.834	0.005	β-Ocimene 2	ND	ND	0.005
β-Caryophyllene	0.0756	0.756	0.005	Isopulegol	ND	ND	0.005
cis-Nerolidol 1	0.0755	0.755	0.005	*p*-Cymene	ND	ND	0.005
β-Pinene	0.0583	0.583	0.005	3-Carene	ND	ND	0.005
Linalool	0.0397	0.397	0.005	α-Terpinene	ND	ND	0.005
α-Humulene	0.0250	0.250	0.005	Geraniol	ND	ND	0.005
Caryophyllene Oxide	0.0101	0.101	0.005	γ-Terpinene	ND	ND	0.005
Eucalyptol	0.0085	0.085	0.005				

RESULT CERITIFICATION

12042020

Frank P. Maurio COO/Michael R. Horton CSO & Date

Testing results are based solely upon the sample submitted to Delta 9 Analytical, LLC. (D9A) In the condition it was received. D9A warrants that all analytical work is conducted professionally in accordance with all applicable standard practices using validated methods utilizing certified reference standards. ******The uncertainty of measurement associated with the measurement result reported in this certificate is available from D9A upon request.*** *This report may not be reproduced, except in full, without the written approval of D9A. Heavy Metals testing performed by Sativa Testing Labs (Powhatan, VA). Pesticide, Mycotoxin and Microbial Testing performed by SJ Labs & Analytics (Macon, GA).*

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PESTICIDES (*48 pesticides by Liquid Chromatography Mass Spectrometry – LCMS; ND = Not Detected*)

ANALYTE	LOQ (PPB)	MASS (PPB)	ANALYTE	LOQ (PPB)	MASS (PPB)	ANALYTE	LOQ (PPB)	MASS (PPB)
Acephate	100	ND	Dimethomorph	100	ND	Permethrin	100	ND
Acequinocyl	100	ND	Ethoprophos	100	ND	Phosmet	100	ND
Acetamiprid	100	ND	Etofenprox	100	ND	Piperonyl butoxide	100	ND
Aldicarb	100	ND	Etoxazole	100	ND	Prallethrin	100	ND
Abamectin B1a	100	ND	Fenhexamid	100	ND	Propiconazole	100	ND
Azoxystrobin	100	ND	Fenoxycarb	100	ND	Propoxur	100	ND
Bifenazate (D 2341)	100	ND	Fenpyroximate	100	ND	Pyrethrin I	100	ND
Bifenthrin	100	ND	Flonicamid	100	ND	Pyrethrin II	100	ND
Boscalid (Nicobifen)	100	ND	Hexythiazox	100	ND	Pyridaben	100	ND
Carbaryl	100	ND	Imazalil	100	ND	Spinetoram J	100	ND
Carbofuran	100	ND	Imidacloprid	100	ND	Spinetoram L	100	ND
Chlorantraniliprole	100	ND	Kresoxim methyl	100	ND	Spinosyn A	100	ND
Chlorpyriphos	100	ND	Malathion	100	ND	Spinosyn D	100	ND
Clofentezin	100	ND	Metalaxyl	100	<LOQ	Spiromesifen	100	ND
Coumaphos	100	ND	Methiocarb	100	ND	Spirotetramat	100	ND
Cyfluthrin	100	ND	Methomyl	100	ND	Spiroxamine	100	ND
Cypermethrin	100	ND	Mevinphos	100	ND	Tebuconazole	100	ND
Daminozide	100	ND	Myclobutanil	100	ND	Thiacloprid	100	ND
Diazinon (Dimpylate)	100	ND	Oxamyl	100	ND	Thiamethoxam	100	ND
Dichlorvos	100	ND	Paclobutrazol	100	ND	Trifloxystrobin	100	ND
Dimethoate	100	ND						

HEAVY METALS

Analyte	Mass (PPM)	LOQ/LIMIT (PPM)
Arsenic	ND	2.5/10
Cadmium	ND	2.5/4
Lead	ND	2.5/10
Mercury	ND	0.5/2

Method: *ICP-MS* ***ND*** *= Not Detected*

MICROBIALS

Organism	Results (CFU)
Aspergillus fumigatus	PASS
Aspergillus terreus	PASS
Aspergillus niger	PASS
Aspergillus flavus	PASS
TOTAL Entero bacteriaceae	PASS
E. Coli	PASS

Method: *DRBC agar, Total Aerobic Dip slide; Total Enterobacteriaceae & E. coli Petrifilm*

MYCOTOXINS

Toxin	LOQ PPM	Units PPM
Aflatoxin B1	20.00	ND
Aflatoxin B2	20.00	ND
Aflatoxin G1	20.00	ND
Aflatoxin G2	20.00	ND
TOTAL Aflatoxins	20.00	ND
Ochratoxin A	20.00	ND

Method: *LCMS* ***ND*** *= Not Detected*

RESULT CERTIFICATION

12042020

Frank P. Maurio COO/Michael R. Horton CSO & Date

Michael Horton Frank Maurio

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