

CERTIFICATE OF ANALYSIS

PRODUCED: AUG 08, 2023

SAMPLE: GALACTIC RUNTZ (FLOWER) // CLIENT: ALPHA GROW // BATCH: PASS



BATCH NO.: 1A40503000252ED000001510
METRC TAG: 1A40503000252ED000001529
MATRIX: FLOWER
CATEGORY: INHALABLE
SAMPLE ID: CL-310723-003
COLLECTED ON: JUL 31, 2023
RECEIVED ON: JUL 31, 2023
BATCH/SAMPLE SIZE: 10734 G / 54.1 G
RECEIVED BY: GERON GOSSELIN

CANNABINOID OVERVIEW	
TOTAL THC:	31.29 %
TOTAL CBD:	0 %
TOTAL CANNABINOIDS:	36.68 %

CULTIVATOR INFO

CULTIVATOR
 42469 IRWIN, LLC
 42469 IRWIN DRIVE
 HARRISON TOWNSHIP, MI 48045

LICENSE
 AU-G-C-000603
 ADULT-USE - CLASS C MARIHUANA
 GROWER

BATCH RESULT: PASS			
POTENCY	TESTED	PESTICIDES	PASS
FOREIGN	PASS	TERPENES	TESTED
METALS	PASS	WATER	PASS
MICROBIAL	PASS		

CL-01: CANNABINOID POTENCY BY HPLC-PDA // AUG 02, 2023

ANALYTE	LIMIT	AMT	LOD/LOQ (mg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC		ND	0.01800/0.05900	N/A	CBN		ND	0.01600/0.05400	N/A
CBD		ND	0.03800/0.13000	N/A	Δ ⁸ -THC		ND	0.04400/0.15000	N/A
CBDA		ND	0.02000/0.06800	N/A	Δ ⁹ -THC		ND	0.04300/0.14000	N/A
CBDV		ND	0.03500/0.12000	N/A	THCA	35.676 %		0.02300/0.07700	N/A
CBDA		ND	0.01900/0.06400	N/A	THCV		ND	0.04100/0.14000	N/A
CBG		ND	0.03900/0.13000	N/A	TOTAL THC **	31.288 %			N/A
CBGA	1.003 %		0.02100/0.07000	N/A	TOTAL CBD **		ND		N/A

** TOTAL THC = DELTA-8-THC + DELTA-9-THC + (THCA X 0.877)
 ** TOTAL CBD = CBD + (CBDA X 0.877)

CL-02: TERPENE ANALYSIS BY GC-MS WITH HEADSPACE // AUG 03, 2023

ANALYTE	AMT	LOD/LOQ (ppm)	PASS/FAIL	ANALYTE	AMT	LOD/LOQ (ppm)	PASS/FAIL
TOTAL TERPENES	2.033 %		N/A	CAMPHENE	0.034 %	0.03000/0.10100	N/A
LIMONENE	0.541 %	0.03500/0.11800	N/A	ISOPULEGOL	0.026 %	0.21300/0.70800	N/A
LINALOOL	0.373 %	0.07600/0.25200	N/A	α-BISABOLOL	0.004 %	0.88400/2.94800	N/A
CIS-NEROLIDOL	0.225 %	0.32300/1.07600	N/A	α-TERPINENE	0.002 %	0.03000/0.10200	N/A
TRANS-CARYOPHYLLENE	0.184 %	0.26700/0.88900	N/A	EUCALYPTOL	0.002 %	0.07100/0.23600	N/A
TRANS-NEROLIDOL	0.179 %	0.31300/1.04500	N/A	GERANIOL	0.002 %	0.07600/0.25200	N/A
CIS-β-CIMENE	0.128 %	0.02200/0.07400	N/A	γ-TERPINENE	0.001 %	0.02100/0.07100	N/A
α-PINENE	0.110 %	0.01700/0.05700	N/A	GUAIOL	0.001 %	0.23800/0.79500	N/A
β-MYRCENE	0.097 %	0.04200/0.13900	N/A	TERPINOLENE	0.001 %	0.05300/0.17700	N/A
α-HUMULENE	0.063 %	0.04400/0.14600	N/A	CARYOPHYLLENE OXIDE	ND	0.26700/0.88900	N/A
β-PINENE	0.060 %	0.01900/0.06200	N/A	Δ³-CARENE	ND	0.02700/0.08900	N/A



PER ISO 17025, THIS REPORT ONLY CONTAINS AND CONCERNS THE SAMPLES LISTED WITHIN THIS DOCUMENT. SAMPLES WERE SAMPLED AND TESTED IN ACCORDANCE WITH THE SAFETY COMPLIANCE FACILITY SAMPLING AND TESTING INFORMATION PROVIDED BY THE STATE OF MICHIGAN.

RESULTS CERTIFIED BY: MANIK GUDIMANI
 LAB DIRECTOR, SC LABS
 AUG 08, 2023

Manik Gudimani

CL-04: PESTICIDE ANALYSIS BY LC-MS/MS // AUG 08, 2023

ANALYTE	LIMIT	AMT (ppm)	LOD/LOQ (ppm)	PASS/FAIL	ANALYTE	LIMIT	AMT (ppm)	LOD/LOQ (ppm)	PASS/FAIL
ABAMECTIN	0.5 ppm	ND	0.00080/0.00250	PASS	KRESOXIM-METHYL	0.4 ppm	ND	0.00030/0.00080	PASS
ACEPHATE	0.4 ppm	ND	0.00440/0.01320	PASS	MALATHION	0.2 ppm	ND	0.00020/0.00070	PASS
ACEQUINOCYL	2 ppm	ND	0.00780/0.02370	PASS	METALAXYL	0.2 ppm	ND	0.00010/0.00030	PASS
ACETAMIPRID	0.2 ppm	ND	0.00040/0.00130	PASS	METHIOCARB	0.2 ppm	ND	0.00010/0.00040	PASS
ALDICARB	0.4 ppm	ND	0.00030/0.00090	PASS	METHOMYL	0.4 ppm	ND	0.00070/0.00200	PASS
AZOXYSTROBIN	0.2 ppm	ND	0.00030/0.00090	PASS	METHYL PARATHION	0.2 ppm	ND	0.00210/0.00630	PASS
BIFENAZATE	0.2 ppm	ND	0.00020/0.00070	PASS	MGK-264	0.2 ppm	ND	0.02370/0.07170	PASS
BIFENTHRIN	0.2 ppm	ND	0.00040/0.00130	PASS	MYCLOBUTANIL	0.2 ppm	ND	0.00030/0.00100	PASS
BOSCALID	0.4 ppm	ND	0.00300/0.00910	PASS	NALED	0.5 ppm	ND	0.00080/0.00250	PASS
CARBARYL	0.2 ppm	ND	0.00040/0.00130	PASS	OXAMYL	1 ppm	ND	0.00340/0.01020	PASS
CARBOFURAN	0.2 ppm	ND	0.00001/0.00002	PASS	PACLOBUTRAZOL	0.4 ppm	ND	0.00040/0.00110	PASS
CHLORANTRANIL-IPROLE	0.2 ppm	ND	0.00020/0.00070	PASS	PERMETHRIN	0.2 ppm	ND	0.02330/0.07070	PASS
CHLORFENAPYR	1 ppm	ND	0.04490/0.13620	PASS	PHOSMET	0.2 ppm	ND	0.00020/0.00070	PASS
CHLORPYRIFOS	0.2 ppm	ND	0.00020/0.00050	PASS	PRALLETHRIN	0.2 ppm	ND	0.00090/0.00270	PASS
CLOFENTEZINE	0.2 ppm	ND	0.00030/0.00100	PASS	PROPICONAZOLE	0.4 ppm	ND	0.00050/0.00140	PASS
CYFLUTHRIN	1 ppm	ND	0.00630/0.01910	PASS	PROPOXUR	0.2 ppm	ND	0.00010/0.00030	PASS
CYPERMETHRIN	1 ppm	ND	0.00480/0.01460	PASS	PYRETHRINS	1 ppm	ND		PASS
DAMINOZIDE	1 ppm	ND	0.00030/0.00100	PASS	PYRETHRINS CINERIN I		ND	0.00050/0.00350	N/A
DIAZINON	0.2 ppm	ND	0.00010/0.00040	PASS	PYRETHRINS JASMOLIN I		ND	0.00090/0.00270	N/A
DICHLORVOS	1 ppm	ND	0.00010/0.00020	PASS	PYRETHRINS PYRETHRIN I		ND	0.00030/0.00100	N/A
DIMETHOATE	0.2 ppm	ND	0.00020/0.00060	PASS	PYRIDABEN	0.2 ppm	ND	0.00020/0.00050	PASS
ETHOPROPHOS	0.2 ppm	ND	0.00020/0.00050	PASS	SPINOSAD	0.2 ppm	ND		PASS
ETOFENPROX	0.4 ppm	ND	0.00030/0.00090	PASS	SPINOSAD A		ND	0.00030/0.00080	N/A
ETOXAZOLE	0.2 ppm	ND	0.00020/0.00050	PASS	SPINOSAD D		ND	0.00020/0.00060	N/A
FENOXYCARB	0.2 ppm	ND	0.00030/0.00090	PASS	SPIROMESIFEN	0.2 ppm	ND	0.00030/0.00110	PASS
FENPYROXIMATE	0.4 ppm	ND	0.00020/0.00070	PASS	SPIROTETRAMAT	0.2 ppm	ND	0.00100/0.00300	PASS
FIPRONIL	0.4 ppm	ND	0.00100/0.00310	PASS	SPIROXAMINE	0.4 ppm	ND	0.00010/0.00050	PASS
FLONICAMID	1 ppm	ND	0.00030/0.00090	PASS	TEBUCONAZOLE	0.4 ppm	ND	0.00010/0.00040	PASS
FLUDIOXONIL	0.4 ppm	ND	0.00040/0.00110	PASS	THIACLOPRID	0.2 ppm	ND	0.00020/0.00070	PASS
HEXYTHIAZOX	1 ppm	ND	0.00020/0.00050	PASS	THIAMETHOXAM	0.2 ppm	ND	0.00030/0.00090	PASS
IMAZALIL	0.2 ppm	ND	0.00180/0.00560	PASS	TRIFLOXYSTROB-IN	0.2 ppm	ND	0.00010/0.00050	PASS
IMIDACLOPRID	0.4 ppm	ND	0.00050/0.00140	PASS					



CL-07: ASPERGILLUS BY QPCR // AUG 03, 2023

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
ASPERGILLUS FLAVUS	Any amount in 1 gram	ND	PASS
ASPERGILLUS FUMIGATUS	Any amount in 1 gram	ND	PASS
ASPERGILLUS NIGER	Any amount in 1 gram	ND	PASS

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
ASPERGILLUS SPP.	Any amount in 1 gram	ND	PASS
ASPERGILLUS TERREUS	Any amount in 1 gram	ND	PASS

CL-07: E. COLI AND SALMONELLA BY QPCR // AUG 03, 2023

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
SALMONELLA SPP.	Any amount in 1 gram	ND	PASS

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
SHIGA TOXIN-PRODUCING E. COLI	Any amount in 1 gram	ND	PASS

CL-07: COLIFORMS AND YEAST & MOLD // AUG 04, 2023

ANALYTE	LIMIT	AMT (CFU/g)	LOQ (CFU/g)	PASS/FAIL
COLIFORMS	1000 CFU/g	< LOQ	100.00000	PASS

ANALYTE	LIMIT	AMT (CFU/g)	LOQ (CFU/g)	PASS/FAIL
YEAST & MOLD	100000 CFU/g	80000	100.00000	PASS

CL-06: HEAVY METAL ANALYSIS BY ICP-MS // AUG 02, 2023

ANALYTE	LIMIT	AMT (ppm)	LOD/LOQ (ppm)	PASS/FAIL
ARSENIC	0.4 ppm	0.082	0.00600/0.01600	PASS
CADMIUM	0.4 ppm	< LOQ	0.00200/0.00600	PASS
CHROMIUM	1.2 ppm	ND	0.09400/0.28000	PASS
COPPER		4.850	0.13800/0.29600	N/A

ANALYTE	LIMIT	AMT (ppm)	LOD/LOQ (ppm)	PASS/FAIL
LEAD	1 ppm	ND	0.00200/0.00500	PASS
MERCURY	0.2 ppm	ND	0.02690/0.06000	PASS
NICKEL	1 ppm	ND	0.06800/0.19600	PASS

CL-09: WATER ACTIVITY // AUG 01, 2023

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.4733	0.00300/0.00300 PASS

CL-10: FOREIGN MATTER ANALYSIS // AUG 01, 2023

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
INORGANIC MATTER	Any amount	ND	PASS
ORGANIC MATTER	2 %	ND	PASS

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
STEMS	5 %	ND	PASS

NOTES

MANIK GUDIMANI TERPENE ANALYSIS BY GC-MS WITH HEADSPACE
AUG 08, 2023 FOR INFORMATION PURPOSES ONLY

FOREIGN MATTER IMAGES

