

CERTIFICATE OF ANALYSIS

PRODUCED: JAN 10, 2023

SAMPLE: RUNTZ LIVE RESIN SAUCE (CONCENTRATE) // CLIENT: ACHIEVE // BATCH: PASS



BATCH NO.: 5849624877494255
MATRIX: CONCENTRATE
CATEGORY: INHALABLE
SAMPLE ID: TLT-221229-016
COLLECTED ON: DEC 29, 2022
RECEIVED ON: DEC 29, 2022
BATCH/SAMPLE SIZE: 5000 G / 12 G
RECEIVED BY: RAUL MANUEL MORALES JR
PACKAGE SIZE: 1 G

CANNABINOID OVERVIEW

TOTAL THC:	80.318 %
TOTAL CBD:	0.111 %
TOTAL CANNABINOIDS:	83.298 %

BATCH RESULT: PASS

POTENCY	TESTED	PESTICIDES	PASS
METALS	PASS	SOLVENTS	PASS
MICROBIAL	PASS	TERPENES	TESTED
MYCOTOXINS	PASS		

SOP 50: CANNABINOID PROFILE BY HPLC-MS // JAN 09, 2023

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBD	0.111 %	1.11 mg/g	0.271/0.812		
CBDA	< LOQ	< LOQ	0.271/0.812		
CBG	0.977 %	9.77 mg/g	0.271/0.812		
CBN	0.212 %	2.12 mg/g	0.271/0.812		
Δ ⁸ -THC	ND	ND			
Δ ⁹ -THC	79.503 %	795.03 mg/g	13.821/41.463		
THCA	0.929 %	9.29 mg/g	0.271/0.812		

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL THC**		80.318 %	803.18 mg/g		
TOTAL CBD**		0.111 %	1.11 mg/g		
CBD/PKG		1.110 mg			
Δ⁹-THC/PKG		795.030 mg			
TOTAL THC/PKG**		803.180 mg			
TOTAL CBD/PKG**		1.110 mg			

** TOTAL CBD = (CBDA X 0.877) + CBD

** TOTAL THC = (THCA X 0.877) + THC

SOP 50: EXPANDED CANNABINOID PROFILE BY HPLC-MS // JAN 09, 2023

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ	PASS/FAIL
CBC	1.059 %	10.59 mg/g			
CBCA	0.083 %	0.83 mg/g			

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ	PASS/FAIL
CBGA	0.424 %	4.24 mg/g			

** TOTAL CBD = (CBDA X 0.877) + CBD

** TOTAL THC = (THCA X 0.877) + THC

: TERPENES BY GC-MS // JAN 03, 2023

ANALYTE	AMT	AMT	LOD/LOQ	PASS/FAIL
TOTAL TERPENES	2.413 %	24.13 mg/g		
D-LIMONENE	1.233 %	12.33 mg/g		
LINALOOL	0.256 %	2.56 mg/g		
β-MYRCENE	0.227 %	2.27 mg/g		
α-PINENE	0.159 %	1.59 mg/g		
β-CARYOPHYLLENE	0.145 %	1.45 mg/g		
(-)-β-PINENE	0.137 %	1.37 mg/g		
(1R)-ENDO-(+)-FENCHYL ALCOHOL	0.071 %	0.71 mg/g		
α-HUMULENE	0.036 %	0.36 mg/g		
CAMPHENE	0.034 %	0.34 mg/g		
α-TERPINEOL	0.032 %	0.32 mg/g		
SABINENE HYDRATE	0.023 %	0.23 mg/g		

ANALYTE	AMT	AMT	LOD/LOQ	PASS/FAIL
α-PHELLANDRENE	ND	ND		
α-TERPINENE	ND	ND		
CAMPHOR	ND	ND		
CARVACROL	ND	ND		
CEDROL	ND	ND		
CITRONELLOL	ND	ND		
EUCALYPTOL	ND	ND		
FARNESOL	ND	ND		
γ-TERPINENE	ND	ND		
GERANIOL	ND	ND		
GERANYL ACETATE	ND	ND		
ISOBORNEOL	ND	ND		

REGULATORY COMPLIANCE TESTING

TERPINOLENE	0.019 %	0.19 mg/g
TRANS- β -FARNESENE	0.017 %	0.17 mg/g
VALENCENE	0.013 %	0.13 mg/g
OCIMENE	0.011 %	0.11 mg/g
(+)-BORNEOL	ND	ND
(-)- α -BISABOLOL	ND	ND
(-)-BORNEOL	ND	ND
(-)-CARYOPHYLLENE OXIDE	ND	ND
(-)-GUAJOL	ND	ND
(-)-ISOPULEGOL	ND	ND
(1S)-(+)-3-CARENE	ND	ND
α -CEDRENE	ND	ND

M-CYMENE	ND	ND
MENTHOL	ND	ND
NEROL	ND	ND
NEROLIDOL	ND	ND
O-CYMENE	ND	ND
P-ISOPROPYLTOLUENE (P-CYMENE)	ND	ND
PHYTANE	ND	ND
SABINENE	ND	ND
SQUALENE	ND	ND
TERPINEN-4-OL	ND	ND
THYMOL	ND	ND



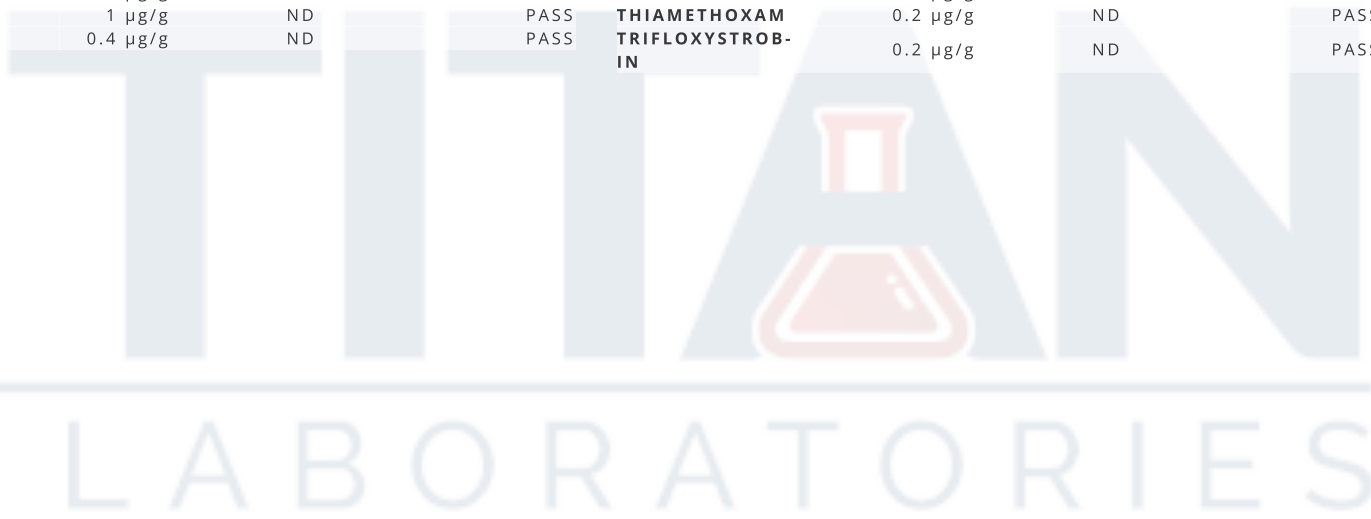
RESULTS CERTIFIED BY: WILLIAM ENGLISH
 LAB DIRECTOR, TITAN LABORATORIES
 JAN 10, 2023

W.A. English



SOP 60: PESTICIDES BY LC-MS/MS // JAN 03, 2023

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ	PASS/FAIL
ABAMECTIN	0.5 µg/g	ND		PASS	HEXYTHIAZOX	1 µg/g	ND		PASS
ACEPHATE	0.4 µg/g	ND		PASS	IMAZALIL	0.2 µg/g	ND		PASS
ACEQUINOCYL	2 µg/g	ND		PASS	IMIDACLOPRID	0.4 µg/g	ND		PASS
ACETAMIPRID	0.2 µg/g	ND		PASS	KRESOXIM-METHYL	0.4 µg/g	ND		PASS
ALDICARB	0.4 µg/g	ND		PASS	MALATHION	0.2 µg/g	ND		PASS
AZOXYSTROBIN	0.2 µg/g	ND		PASS	METALAXYL	0.2 µg/g	ND		PASS
BIFENAZATE	0.2 µg/g	ND		PASS	METHIOCARB	0.2 µg/g	ND		PASS
BIFENTHRIN	0.2 µg/g	ND		PASS	METHOMYL	0.4 µg/g	ND		PASS
BOSCALID	0.4 µg/g	ND		PASS	MYCLOBUTANIL	0.2 µg/g	ND		PASS
CARBARYL	0.2 µg/g	ND		PASS	NALED	0.5 µg/g	ND		PASS
CARBOFURAN	0.2 µg/g	ND		PASS	OXAMYL	1 µg/g	ND		PASS
CHLORANTRANILIPROLE	0.2 µg/g	ND		PASS	PACLOBUTRAZOL	0.4 µg/g	ND		PASS
CHLORFENAPYR	1 µg/g	ND		PASS	PERMETHRIN	0.2 µg/g	ND		PASS
CHLORPYRIFOS	0.2 µg/g	ND		PASS	PHOSMET	0.2 µg/g	ND		PASS
CLOFENTEZINE	0.2 µg/g	ND		PASS	PIPERONYLBUTOXIDE	2 µg/g	ND		PASS
CYFLUTHRIN	1 µg/g	ND		PASS	PRALLETHRIN	0.2 µg/g	ND		PASS
CYPERMETHRIN	1 µg/g	ND		PASS	PROPICONAZOLE	0.4 µg/g	ND		PASS
DAMINOZIDE	1 µg/g	ND		PASS	PROPOXUR	0.2 µg/g	ND		PASS
DIAZINON	0.2 µg/g	ND		PASS	PYRETHRINS	1 µg/g	ND		PASS
DICHLORVOS	0.1 µg/g	ND		PASS	PYRIDABEN	0.2 µg/g	ND		PASS
DIMETHOATE	0.2 µg/g	ND		PASS	SPINOSAD	0.2 µg/g	ND		PASS
ETHOPROPHOS	0.2 µg/g	ND		PASS	SPIROMESIFEN	0.2 µg/g	ND		PASS
ETOFENPROX	0.4 µg/g	ND		PASS	SPIROTETRAMAT	0.2 µg/g	ND		PASS
ETOXAZOLE	0.2 µg/g	ND		PASS	SPIROXAMINE	0.4 µg/g	ND		PASS
FENOXYCARB	0.2 µg/g	ND		PASS	TEBUCONAZOLE	0.4 µg/g	ND		PASS
FENPYROXIMATE	0.4 µg/g	ND		PASS	THIACLOPRID	0.2 µg/g	ND		PASS
FIPRONIL	0.4 µg/g	ND		PASS	THIAMETHOXAM	0.2 µg/g	ND		PASS
FLONICAMID	1 µg/g	ND		PASS	TRIFLOXYSTROBIN	0.2 µg/g	ND		PASS
FLUDIOXONIL	0.4 µg/g	ND		PASS					



SOP 160: ASPERGILLUS BY GENE-UP QPCR // JAN 02, 2023

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

SOP 130: E. COLI BY 3M PETRIFILM // JAN 03, 2023

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
ESCHERICHIA COLI	100 CFU/g	ND	PASS

SOP 120: SALMONELLA BY GENE-UP QPCR // JAN 03, 2023

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

SOP 60: MYCOTOXINS BY LC-MS/MS // JAN 02, 2023

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ	PASS/FAIL
AFLATOXIN B1		ND		
AFLATOXIN B2		ND		
AFLATOXIN G1		ND		

SOP 70: HEAVY METALS BY ICP-MS // JAN 03, 2023

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ	PASS/FAIL
ARSENIC	0.4 µg/g	0.015		PASS
CADMIUM	0.4 µg/g	ND		PASS

SOP 80: RESIDUAL SOLVENTS BY GC-MS // JAN 03, 2023

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ	PASS/FAIL
2,2-DIMETHYLBUTANE		ND		
2,3-DIMETHYLBUTANE		ND		
2-METHYLPENTANE		ND		
3-METHYLPENTANE		ND		
ACETONE	1000 µg/g	ND		PASS
ACETONITRILE	410 µg/g	ND		PASS
BENZENE	2 µg/g	ND		PASS
BUTANE		ND		
BUTANES	5000 µg/g	ND		PASS
CHLOROFORM	60 µg/g	ND		PASS
DICHLOROMETHANE	600 µg/g	ND		PASS
ETHANOL	5000 µg/g	ND		PASS
ETHYL ACETATE	5000 µg/g	ND		PASS
ETHYLBENZENE		ND		
ETHYL ETHER	5000 µg/g	ND		PASS
HEPTANE	5000 µg/g	ND		PASS

ANALYTE	LIMIT	AMT (CFU/g)	PASS/FAIL
ASPERGILLUS NIGER	Any amt in 1 gram	ND	PASS
ASPERGILLUS TERREUS	Any amt in 1 gram	ND	PASS

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ	PASS/FAIL
AFLATOXIN G2		ND		
AFLATOXINS	20 µg/kg	ND		PASS
OCHRATOXIN A	20 µg/kg	ND		PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ	PASS/FAIL
LEAD	1 µg/g	0.060		PASS
MERCURY	1.2 µg/g	ND		PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ	PASS/FAIL
HEXANE		ND		
HEXANES	290 µg/g	ND		PASS
ISOBUTANE		ND		
ISOPENTANE		ND		
ISOPROPYL ACETATE	5000 µg/g	ND		PASS
ISOPROPYL ALCOHOL	5000 µg/g	ND		PASS
METHANOL	3000 µg/g	ND		PASS
NEOPENTANE		ND		
PENTANE		ND		
PENTANES	5000 µg/g	ND		PASS
PROPANE	5000 µg/g	ND		PASS
TOLUENE	890 µg/g	ND		PASS
O-XYLENE		ND		
P- AND M-XYLENE		ND		
TOTAL XYLENES	2170 µg/g	ND		PASS

