Cannalysis

For R&D Use

R66T Holistic PASS

SAMPLE ID
139241

SAMPLE NAME
R66T Holistic

MATRIX
Tincture

BATCH ID
Lot# 190815011

COLLECTED
09/25/2019 17:05

RECEIVED
09/25/2019 17:05

SERVING SIZE
2 ML

SERVINGS PER PACKAGE
30

DENSITY
0.9380 g/ml

CULTIVATOR INFO
GPS Associates

TOTAL THC	**ND** MG PER SERVING
TOTAL CBD	**35.22** MG PER SERVING
TOTAL CANNABINOIDS	**37.56** MG PER SERVING

Chemical Residue No Analytes Detected	PASS
Chemical Residue GC No Analytes Detected	PASS
Microbial qPCR No Analytes Detected	PASS
Heavy Metals Lead: <LLOQ	PASS
Mycotoxins No Analytes Detected	PASS
Residual Solvent Not Tested	NT
Filth and Foreign Material Not Tested	NT

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REPORT ID: COA-00044650 | Exp: 10/05/2020
ISO/IEC 17025:2005 Accredited | #93948

CANNABINOID ANALYSIS

Total THC,CBD value(s) have been decarboxylated.

TOTAL THC:	ND per serving (ND) (ND)
TOTAL CBD:	35.22 mg per serving (17.61 mg/mL) (1.878 %)
TOTAL CANNABINOIDS:	37.56 mg per serving (18.78 mg/mL) (2.002 %)

UNIT OF MEASUREMENT: **Milligrams per Milliliter(mg/mL)**

ANALYTE	RESULT	LOD	LLOQ	ANALYTE	RESULT	LOD	LLOQ
D9THC	ND	0.0500	0.1000	D8THC	ND	0.0500	0.1000
CBG	0.2839 mg/mL (0.0303 %)	0.0500	0.1000	CBC	0.8832 mg/mL (0.0942 %)	0.0500	0.1000
THCv	ND	0.0500	0.1000	CBD	17.61 mg/mL (1.878 %)	0.0500	0.1000
CBN	ND	0.0500	0.1000	CBDv	ND (ND)	0.0500	0.1000
THCa	ND	0.0500	0.1000	CBGa	ND	0.0500	0.1000
CBDa	ND	0.0500	0.1000				

ADDITIONAL INFORMATION

Method:	SOP-TECH-001	Sample Prepped	09/27/2019 15:53	Sample Approved	09/30/2019 15:15
Instrument:	UPLC-DAD	Sample Analyzed	09/27/2019 19:01		

CHEMICAL RESIDUE ANALYSIS PASS

UNIT OF MEASUREMENT: **Micrograms per Gram(ug/g)**

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL		ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	
Abamectin	ND	0.0200	0.0400	0.3000	Pass	Acephate	ND	0.0200	0.0400	5.000	Pass
Acequinocyl	ND	0.0200	0.0400	4.000	Pass	Acetamiprid	ND	0.0200	0.0400	5.000	Pass
Aldicarb	ND	0.0200	0.0400	0.0	Pass	Azoxystrobin	ND	0.0200	0.0400	40.00	Pass
Bifenazate	ND	0.0200	0.0400	5.000	Pass	Bifenthrin	ND	0.0200	0.0400	0.5000	Pass
Boscalid	ND	0.0200	0.0400	10.00	Pass	Carbaryl	ND	0.0200	0.0400	0.5000	Pass
Carbofuran	ND	0.0200	0.0400	0.0	Pass	Chlorantraniliprole	ND	0.0200	0.0400	40.00	Pass
Chlorfenapyr	ND	0.0200	0.0400	0.0	Pass	Chlorpyrifos	ND	0.0200	0.0400	0.0	Pass
Clofentezine	ND	0.0200	0.0400	0.5000	Pass	Coumaphos	ND	0.0200	0.0400	0.0	Pass
Cyfluthrin	ND	0.1000	0.2000	1.000	Pass	Cypermethrin	ND	0.0400	0.1000	1.000	Pass
Daminozide	ND	0.0200	0.0400	0.0	Pass	Diazinon	ND	0.0200	0.0400	0.2000	Pass
Dichlorvos	ND	0.0200	0.0400	0.0	Pass	Dimethoate	ND	0.0200	0.0400	0.0	Pass
Dimethomorph	ND	0.0099	0.0198	20.00	Pass	Ethoprophos	ND	0.0200	0.0400	0.0	Pass
Etofenprox	ND	0.0200	0.0400	0.0	Pass	Etoxazole	ND	0.0200	0.0400	1.500	Pass
Fenhexamid	ND	0.0200	0.0400	10.00	Pass	Fenoxycarb	ND	0.0200	0.0400	0.0	Pass
Fenpyroximate	ND	0.0200	0.0400	2.000	Pass	Fipronil	ND	0.0200	0.0400	0.0	Pass
Flonicamid	ND	0.0200	0.0400	2.000	Pass	Fludioxonil	ND	0.0200	0.0400	30.00	Pass
Hexythiazox	ND	0.0200	0.0400	2.000	Pass	Imazalil	ND	0.0200	0.0400	0.0	Pass
Imidacloprid	ND	0.0200	0.0400	3.000	Pass	KresoximMethyl	ND	0.0200	0.0400	1.000	Pass
Malathion	ND	0.0200	0.0400	5.000	Pass	Metalaxyl	ND	0.0200	0.0400	15.00	Pass
Methiocarb	ND	0.0200	0.0400	0.0	Pass	Methomyl	ND	0.0200	0.0400	0.1000	Pass
Mevinphos	ND	0.0200	0.0400	0.0	Pass	Myclobutanil	ND	0.0200	0.0400	9.000	Pass
Naled	ND	0.0200	0.0400	0.5000	Pass	Oxamyl	ND	0.0200	0.0400	0.2000	Pass
Paclobutrazol	ND	0.0200	0.0400	0.0	Pass	Permethrins	ND	0.0200	0.0400	20.00	Pass

Phosmet	ND	0.0200	0.0400	0.2000	Pass	PiperonylButoxide	ND	0.0200	0.0400	8.000	Pass
Prallethrin	ND	0.0200	0.0400	0.4000	Pass	Propiconazole	ND	0.0200	0.0400	20.00	Pass
Propoxur	ND	0.0200	0.0400	0.0	Pass	Pyrethrins	ND	0.0178	0.0356	1.000	Pass
Pyridaben	ND	0.0200	0.0400	3.000	Pass	Spinetoram	ND	0.0200	0.0400	3.000	Pass
Spinosad	ND	0.0200	0.0400	3.000	Pass	Spiromesifen	ND	0.0200	0.0400	12.00	Pass
Spirotetramat	ND	0.0200	0.0400	13.00	Pass	Spiroxamine	ND	0.0200	0.0400	0.4000	Pass
Tebuconazole	ND	0.0200	0.0400	2.000	Pass	Thiacloprid	ND	0.0200	0.0400	0.0	Pass
Thiamethoxam	ND	0.0200	0.0400	4.500	Pass	Trifloxystrobin	ND	0.0200	0.0400	30.00	Pass

ADDITIONAL INFORMATION

Method: SOP-TECH-002
Instrument: LC-MS/MS

Sample Prepped 10/02/2019 18:38
Sample Analyzed 10/02/2019 19:10

Sample Approved 10/05/2019 11:37

CHEMICAL RESIDUE GC ANALYSIS PASS

UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL		ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	
Captan	ND	0.1000	0.2000	5.000	Pass	Chlordane	ND	0.0400	0.1000	0.0	Pass
MethylParathion	ND	0.0400	0.1000	0.0	Pass	PCNB	ND	0.0200	0.0400	0.2000	Pass

ADDITIONAL INFORMATION

Method: SOP-TECH-010
Instrument: GC-MS/MS

Sample Prepped 10/02/2019 18:38
Sample Analyzed 10/02/2019 19:10

Sample Approved 10/03/2019 18:30

MICROBIAL ANALYSIS PASS

UNIT OF MEASUREMENT: Cycle Threshold (Ct)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL		ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	
A.fumigatus	ND	33.00	0.0	0.0	Pass	A. flavus	ND	33.00	0.0	0.0	Pass
A. niger	ND	33.00	0.0	0.0	Pass	A. terreus	ND	33.00	0.0	0.0	Pass
STEC	ND	33.00	0.0	0.0	Pass	Salmonella spp	ND	33.00	0.0	0.0	Pass

ADDITIONAL INFORMATION

Method: SOP-TECH-016, SOP-TECH-022
Instrument: qPCR

Sample Prepped 10/02/2019 06:30
Sample Analyzed 10/02/2019 06:56

Sample Approved 10/02/2019 14:06

HEAVY METALS ANALYSIS PASS

UNIT OF MEASUREMENT: Micrograms per Gram(ug/g)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL		ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	
Arsenic	ND	0.0200	0.0500	1.500	Pass	Cadmium	ND	0.0050	0.0500	0.5000	Pass
Lead	<LLOQ	0.0100	0.0500	0.5000	Pass	Mercury	ND	0.0030	0.0500	3.000	Pass

ADDITIONAL INFORMATION

Method: SOP-TECH-013
Instrument: ICP-MS

Sample Prepped 10/03/2019 08:30
Sample Analyzed 10/03/2019 08:32

Sample Approved 10/04/2019 06:33

MYCOTOXINS ANALYSIS PASS

UNIT OF MEASUREMENT: Micrograms per Kilogram(ug/kg)

ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL		ANALYTE	RESULT	LOD	LLOQ	ACTION LEVEL	
Aflatoxin B1	ND	1.000	2.000		N/A	Aflatoxin B2	ND	2.000	5.000		N/A
Aflatoxin G1	ND	2.000	5.000		N/A	Aflatoxin G2	ND	2.000	5.000		N/A
Total Aflatoxins	ND	10.00	14.00	20.00	Pass	Ochratoxin A	ND	1.000	2.000	20.00	Pass

ADDITIONAL INFORMATION

Method: SOP-TECH-020
Instrument: LC-MS/MS

Sample Prepped 10/02/2019 18:38
Sample Analyzed 10/02/2019 18:42

Sample Approved 10/03/2019 15:54

This report applies to the sample investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. This report provides technical results for a specific sample and the report shall not be altered, modified, supplemented, or abstracted in any manner. Any violation of these conditions renders the report and its results void.

All LQC samples required by state regulations were performed and met the acceptance criteria.

DATA REVIEWED AND APPROVED BY

Swetha Kaul, PhD
Chief Scientific Officer

10/05/2019
Date