



License No. 800025015
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

Trulieve
6749 Ben Bostic Rd
Quincy, FL 32351

Batch # 18403_0000391658
Batch Date: 2021-05-12
Extracted From: N/A
Sampling Method: MSP 7.3.1

Seed to Sale # 18403_0000391658
Lot ID: 15969_0000391658
Cultivars: Derban Grapefruit
Test Reg State: Florida

Cultivation Facility: TRULIEVE
Cultivation Date: 2021-03-16
Production Facility: TRULIEVE
Production Date: 2021-05-12

Order # TRU210512-060038
Order Date: 2021-05-12
Sample # AAB1433

Sampling Date: 2021-05-12
Lab Batch Date: 2021-05-12
Completion Date: 2021-05-19

Initial Gross Weight: 320.100 g
Net Weight: 34.100 g

Number of Units: 9
Net Weight per Unit: 3788.897 mg



Product Image

Potency Tested	Terpenes Tested	Heavy Metals Passed	Mycotoxins Passed	Pesticides Passed
Residual Solvents Not Tested	Moisture Passed	Water Activity Passed	Pathogenic Microbiology Not Tested	Pathogenic Microbiology Passed
Microbiology (qPCR) Passed	Filth and Foreign Passed	Flavonoids Tested	Total Contaminant Load Passed	

Potency - 11

Specimen Weight: 199.130 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
THCA-A	150.000	0.000032	0.001	267.000	26.700
CBGA	150.000	0.00008	0.001	7.220	0.722
Delta-9 THC	150.000	0.000013	0.001	2.440	0.244
CBG	150.000	0.000248	0.001	1.880	0.188
CBDA	150.000	0.00001	0.001	<LOQ	<LOQ
THCV	150.000	0.000007	0.001	<LOQ	<LOQ
CBDV	150.000	0.000065	0.001	<LOQ	<LOQ
CBD	150.000	0.000054	0.001	<LOQ	<LOQ
Delta-8 THC	150.000	0.000026	0.001	<LOQ	<LOQ
CBN	150.000	0.000014	0.001	<LOQ	<LOQ
CBC	150.000	0.000018	0.001	<LOQ	<LOQ

Sample Prepared By: 1098 Date: 2021-05-13 14:59:54 Sample Analyzed By: 1151 Date: 2021-05-13 18:59:55
Batch Reviewed By: 1010 Date: 2021-05-15 17:07:18 Lab Batch #: AAB1433-174 Date: 2021-05-15 17:07:18

Potency Summary

Total THC 23.660%	Total CBD None Detected
Total CBG 0.821%	Total CBN None Detected
Other Cannabinoids None Detected	Total Cannabinoids 24.481%

Tested (HPLC/LCMS)

Terpenes Summary

Analyte	Result (mg/ml) (%)
trans-Caryophyllene	9.378 0.938%
Farnesene	5.241 0.524%
alpha-Humulene	3.232 0.323%
trans-Nerolidol	2.204 0.222%
(R)-(+)-Limonene	2.119 0.212%
beta-Myrcene	1.776 0.178%
alpha-Bisabolol	1.75 0.175%
Linalool	1.407 0.141%
Valencene	0.879 0.088%

Total Terpenes: 2.799%

Detailed Terpenes Analysis is on the following page

Flavonoids Summary

Analyte	Result (ppm)
beta sitosterol	489
Cannflavin A	159.8
Cannflavin B	68.57
Apigenin	14.81
Cannflavin C	10.99
Quercetin	6.187

Total Flavonoids: 749.357ppm

Detailed Flavonoids Analysis is on one of the following pages

Xueli Gao
Xueli Gao
Ph.D., DABT
Lab Toxicologist

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



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Order # TRU210512-060038 Order Date: 2021-05-12 Sample # AABI433	Sampling Date: 2021-05-12 Lab Batch Date: 2021-05-12 Completion Date: 2021-05-19	Initial Gross Weight: 320.100 g Net Weight: 34.100 g	Number of Units: 9 Net Weight per Unit: 3788.897 mg



Terpenes - FL

Specimen Weight: 199.300 mg

Tested
(GC/GCMS)

Dilution Factor: 750.000

Analyte	Dilution (1:n)	LOQ (%)	Result (mg/g)	(%)	Analyte	Dilution (1:n)	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	750.000	0.02	9.378	0.938	Farnesene	750.000	0.02	5.241	0.524
alpha-Humulene	750.000	0.02	3.232	0.323	trans-Nerolidol	750.000	0.02	2.204	0.220
(R)-(+)-Limonene	750.000	0.02	2.119	0.212	beta-Myrcene	750.000	0.02	1.776	0.178
alpha-Bisabolol	750.000	0.02	1.750	0.175	Linalool	750.000	0.02	1.407	0.141
Valencene	750.000	0.02	0.879	0.088	Sabinene Hydrate	750.000	0.02	<LOQ	<LOQ
Geranyl acetate	750.000	0.02	<LOQ	<LOQ	Sabinene	750.000	0.02	<LOQ	<LOQ
Pulegone	750.000	0.02	<LOQ	<LOQ	Ocimene	750.000	0.014	<LOQ	<LOQ
Nerol	750.000	0.02	<LOQ	<LOQ	Terpineol	750.000	0.02	<LOQ	<LOQ
Isopulegol	750.000	0.02	<LOQ	<LOQ	Isoborneol	750.000	0.02	<LOQ	<LOQ
Terpinolene	750.000	0.02	<LOQ	<LOQ	Hexahydrothymol	750.000	0.02	<LOQ	<LOQ
Guaiol	750.000	0.02	<LOQ	<LOQ	(+)-Cedrol	750.000	0.02	<LOQ	<LOQ
Geraniol	750.000	0.02	<LOQ	<LOQ	beta-Pinene	750.000	0.02	<LOQ	<LOQ
3-Carene	750.000	0.02	<LOQ	<LOQ	alpha-Cedrene	750.000	0.02	<LOQ	<LOQ
alpha-Phellandrene	750.000	0.02	<LOQ	<LOQ	alpha-Pinene	750.000	0.02	<LOQ	<LOQ
alpha-Terpinene	750.000	0.02	<LOQ	<LOQ	Borneol	750.000	0.04	<LOQ	<LOQ
Gamma-Terpinene	750.000	0.02	<LOQ	<LOQ	Camphene	750.000	0.02	<LOQ	<LOQ
Camphors	750.000	0.04	<LOQ	<LOQ	Caryophyllene oxide	750.000	0.02	<LOQ	<LOQ
cis-Nerolidol	750.000	0.02	<LOQ	<LOQ	Eucalyptol	750.000	0.02	<LOQ	<LOQ
Fenchyl Alcohol	750.000	0.02	<LOQ	<LOQ	Fenchone	750.000	0.02	<LOQ	<LOQ

Sample Prepared By: 1027 Date: 2021-05-14 16:04:21 Sample Analyzed By: 1035 Date: 2021-05-14 21:05:54
Batch Reviewed By: 1155 Date: 2021-05-18 18:37:04 Lab Batch #: AABI433-175 Date: 2021-05-18 18:37:04

Total Terpenes: 2.799%

Xueli Gao
Xueli Gao Lab Toxicologist
Ph.D., DABT

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



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Order # TRU210512-060038 Order Date: 2021-05-12 Sample # AABI433	Sampling Date: 2021-05-12 Lab Batch Date: 2021-05-12 Completion Date: 2021-05-19	Initial Gross Weight: 320.100 g Net Weight: 34.100 g	Number of Units: 9 Net Weight per Unit: 3788.897 mg

Heavy Metals Passed (ICP-MS)

Specimen Weight: 253.360 mg

Dilution Factor: 2.000

Analyte	Dilution (1:n)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	Dilution (1:n)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	1.000	100	200	<LOQ	Cadmium (Cd)	1.000	100	200	<LOQ
Lead (Pb)	1.000	100	500	<LOQ	Mercury (Hg)	1.000	100	200	<LOQ

Sample Prepared By: 1145 Date: 2021-05-13 21:47:57 Sample Analyzed By: 1155 Date: 2021-05-16 16:31:34
Batch Reviewed By: 1155 Date: 2021-05-17 16:40:21 Lab Batch #: AABI433-4 Date: 2021-05-17 16:40:21

Mycotoxins Passed (LCMS)

Specimen Weight: 159.680 mg

Dilution Factor: 9.394

Analyte	Dilution (1:n)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	Dilution (1:n)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	9.394	6	20	<LOQ	Aflatoxin B2	9.394	6	20	<LOQ
Aflatoxin G1	9.394	6	20	<LOQ	Aflatoxin G2	9.394	6	20	<LOQ
Ochratoxin A	9.394	12	20	<LOQ					

Sample Prepared By: 1180 Date: 2021-05-14 13:11:02 Sample Analyzed By: 1180 Date: 2021-05-14 17:11:03
Batch Reviewed By: 1010 Date: 2021-05-17 19:19:47 Lab Batch #: AABI433-165 Date: 2021-05-17 19:19:47

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Order # TRU210512-060038 Order Date: 2021-05-12 Sample # AABI433	Sampling Date: 2021-05-12 Lab Batch Date: 2021-05-12 Completion Date: 2021-05-19	Initial Gross Weight: 320.100 g Net Weight: 34.100 g	Number of Units: 9 Net Weight per Unit: 3788.897 mg
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Pesticides FL V4 **Passed**
(LCMS/GCMS)

Specimen Weight: 159.680 mg

Dilution Factor: 9.394

Analyte	Dilution (1:n)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	Dilution (1:n)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	9.394	28.23	100	<LOQ	Acephate	9.394	30	100	<LOQ
Acequinocyl	9.394	48	100	<LOQ	Acetamidrid	9.394	30	100	<LOQ
Aldicarb	9.394	30	100	<LOQ	Azoxystrobin	9.394	10	100	<LOQ
Bifenazate	9.394	30	100	<LOQ	Bifenthrin	9.394	30	100	<LOQ
Boscalid	9.394	10	100	<LOQ	Captan	9.394	30	700	<LOQ
Carbaryl	9.394	10	500	<LOQ	Carbofuran	9.394	10	100	<LOQ
Chlorantraniliprole	9.394	10	1000	<LOQ	Chlordane	9.394	10	100	<LOQ
Chlorfenapyr	9.394	30	100	<LOQ	Chlormequat Chloride	9.394	10	1000	<LOQ
Chlorpyrifos	9.394	30	100	<LOQ	Clofentezine	9.394	30	200	<LOQ
Coumaphos	9.394	48	100	<LOQ	Cyfluthrin	9.394	30	500	<LOQ
Cypermethrin	9.394	30	500	<LOQ	Daminozide	9.394	30	100	<LOQ
Diazinon	9.394	30	100	<LOQ	Dichlorvos	9.394	30	100	<LOQ
Dimethoate	9.394	30	100	<LOQ	Dimethomorph	9.394	48	200	<LOQ
Ethoprophos	9.394	30	100	<LOQ	Etofenprox	9.394	30	100	<LOQ
Etoxazole	9.394	30	100	<LOQ	Fenhexamid	9.394	10	100	<LOQ
Fenoxycarb	9.394	30	100	<LOQ	Fenpyroximate	9.394	30	100	<LOQ
Fipronil	9.394	30	100	<LOQ	Flonicamid	9.394	30	100	<LOQ
Fludioxonil	9.394	48	100	<LOQ	Hexythiazox	9.394	30	100	<LOQ
Imazalil	9.394	30	100	<LOQ	Imidacloprid	9.394	30	400	<LOQ
Kresoxim Methyl	9.394	30	100	<LOQ	Malathion	9.394	30	100	<LOQ
Metalaxyl	9.394	10	100	<LOQ	Methiocarb	9.394	30	100	<LOQ
Methomyl	9.394	30	100	<LOQ	methyl-Parathion	9.394	10	100	<LOQ
Mevinphos	9.394	10	100	<LOQ	Myclobutanil	9.394	30	100	<LOQ
Naled	9.394	30	250	<LOQ	Oxamyl	9.394	30	500	<LOQ
Paclbutrazol	9.394	30	100	<LOQ	Pentachloronitrobenzene	9.394	10	150	<LOQ
Permethrin	9.394	30	100	<LOQ	Phosmet	9.394	30	100	<LOQ
Piperonylbutoxide	9.394	30	3000	<LOQ	Prallethrin	9.394	30	100	<LOQ
Propiconazole	9.394	30	100	<LOQ	Propoxur	9.394	30	100	<LOQ
Pyrethrins	9.394	30	500	<LOQ	Pyridaben	9.394	30	200	<LOQ
Spinetoram	9.394	10	200	<LOQ	Spinosad	9.394	30	100	<LOQ
Spiromesifen	9.394	30	100	<LOQ	Spirotetramat	9.394	30	100	<LOQ
Spiroxamine	9.394	30	100	<LOQ	Tebuconazole	9.394	30	100	<LOQ
Thiacloprid	9.394	30	100	<LOQ	Thiamethoxam	9.394	30	500	<LOQ
Trifloxystrobin	9.394	30	100	<LOQ					

Sample Prepared By: 1180 Date: 2021-05-14 13:11:02 Sample Analyzed By: 1180 Date: 2021-05-14 17:11:03
Batch Reviewed By: 1010 Date: 2021-05-17 19:19:47 Lab Batch #: AABI433-191 Date: 2021-05-17 19:19:47

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D.H.Sc., M.Sc., B.Sc., MT (AAB)



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Moisture **Passed**
(Moisture Meter)
Net Weight: 34.100 g

Dilution Factor: 1.000

Analyte	Action Level (%)	Result (%)
Moisture	15	10.890

Sample Prepared By: 1142 Date: 2021-05-14 18:22:46 Sample Analyzed By: 1142 Date: 2021-05-14 22:22:46
Batch Reviewed By: 1142 Date: 2021-05-14 23:28:46 Lab Batch #: AABI433-10 Date: 2021-05-14 23:28:46

Water Activity **Passed**
(Water Activity Analyzer)
Specimen Weight: 0.500 g

Dilution Factor: 1.000

Analyte	Action Level (aw)	Result (aw)
Water Activity	0.65	0.529

Sample Prepared By: 1142 Date: 2021-05-14 18:11:47 Sample Analyzed By: 1142 Date: 2021-05-14 22:11:47
Batch Reviewed By: 1142 Date: 2021-05-14 23:28:32 Lab Batch #: AABI433-11 Date: 2021-05-14 23:28:32

Pathogenic SAE (qPCR) **Passed**
(qPCR)
Specimen Weight: 235.540 mg

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Absence in 1g	E.Coli	1	Absence in 1g
			Salmonella	1	Absence in 1g

Sample Prepared By: 1142 Date: 2021-05-15 11:41:59 Sample Analyzed By: 1142 Date: 2021-05-15 15:41:59
Batch Reviewed By: 1088 Date: 2021-05-16 21:27:25 Lab Batch #: AABI433-89 Date: 2021-05-16 21:27:25

Xueli Gao
Xueli Gao Lab Toxicologist
Ph.D., DABT

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



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Compliance Test

Trulieve 6749 Ben Bostic Rd Quincy, FL 32351	Batch # 18403_0000391658 Batch Date: 2021-05-12 Extracted From: N/A Sampling Method: MSP 7.3.1	Seed to Sale # 18403_0000391658 Lot ID: 15969_0000391658 Cultivars: Derban Grapefruit Test Reg State: Florida	Cultivation Facility: TRULIEVE Cultivation Date: 2021-03-16 Production Facility: TRULIEVE Production Date: 2021-05-12
Order # TRU210512-060038 Order Date: 2021-05-12 Sample # AABI433	Sampling Date: 2021-05-12 Lab Batch Date: 2021-05-12 Completion Date: 2021-05-19	Initial Gross Weight: 320.100 g Net Weight: 34.100 g	Number of Units: 9 Net Weight per Unit: 3788.897 mg

Total Yeast and Mold Passed (qPCR)

Specimen Weight: 10296.800 mg

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result
Total Yeast/Mold	100000	Passed

Sample Prepared By: 1088 Date: 2021-05-14 12:35:52 Sample Analyzed By: 1088 Date: 2021-05-14 16:35:53
Batch Reviewed By: 1142 Date: 2021-05-15 14:46:45 Lab Batch #: AABI433-218 Date: 2021-05-15 14:46:45

Filth and Foreign Material Passed (Visual/Microscope)

Net Weight: 34.100 g

Dilution Factor: 1.000

Analyte	Action Level (%)	Result (%)	Analyte	Action Level (mg/Kg)	Result (mg/Kg)
Covered Area	10	0.000	Feces	0.5	0.000
Weight %	1	0.000			

Sample Prepared By: 1067 Date: 2021-05-13 10:03:07 Sample Analyzed By: 1067 Date: 2021-05-13 14:03:08
Batch Reviewed By: 1067 Date: 2021-05-13 14:03:59 Lab Batch #: AABI433-17 Date: 2021-05-13 14:03:59

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Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877), *Total THC = THCA-A * 0.877 + Delta 9 THC, *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A, *Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A, *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
Total Contaminant Load (TCL) - The sum of all Heavy Metals and Agricultural Agents present above the LOQ, but below the Acceptable Limit.



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Certificate of Analysis

Compliance Test

Trulieve 6749 Ben Bostic Rd Quincy, FL 32351	Batch # 18403_0000391658 Batch Date: 2021-05-12 Extracted From: N/A Sampling Method: MSP 7.3.1	Seed to Sale # 18403_0000391658 Lot ID: 15969_0000391658 Cultivars: Derban Grapefruit Test Reg State: Florida	Cultivation Facility: TRULIEVE Cultivation Date: 2021-03-16 Production Facility: TRULIEVE Production Date: 2021-05-12
Order # TRU210512-060038 Order Date: 2021-05-12 Sample # AABI433	Sampling Date: 2021-05-12 Lab Batch Date: 2021-05-12 Completion Date: 2021-05-19	Initial Gross Weight: 320.100 g Net Weight: 34.100 g	Number of Units: 9 Net Weight per Unit: 3788.897 mg

Flavonoids

Specimen Weight: 49.400 mg

Tested
(LCMS)

Dilution Factor: 10.000

Analyte	Dilution (1:n)	LOQ (ppm)	Result (ppm)	Analyte	Dilution (1:n)	LOQ (ppm)	Result (ppm)
Apigenin	1.000	4	14.810	Baicalin	1.000	8	<LOQ
beta sitosterol	10.000	5	489.000	Cannflavin A	1.000	3.91	159.800
Cannflavin B	1.000	4.84	68.570	Cannflavin C	1.000	2.36	10.990
Chrysin	1.000	2.5	<LOQ	Fisetin	1.000	5	<LOQ
Kaempferol	1.000	1	<LOQ	Luteolin	1.000	2.5	<LOQ
Orientin	1.000	5	<LOQ	Quercetin	1.000	2.23	6.187
Rutin	1.000	7.81	<LOQ	Vitexin	1.000	4	<LOQ
Wogonin	1.000	0.5	<LOQ				

Sample Prepared By: 1067 Date: 2021-05-13 15:10:35 Sample Analyzed By: 1067 Date: 2021-05-13 19:10:35
Batch Reviewed By: 1044 Date: 2021-05-14 20:23:24 Lab Batch #: AABI433-168 Date: 2021-05-14 20:23:24

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Order # TRU210512-060038 Order Date: 2021-05-12 Sample # AABI433	Sampling Date: 2021-05-12 Lab Batch Date: 2021-05-12 Completion Date: 2021-05-19	Initial Gross Weight: 320.100 g Net Weight: 34.100 g	Number of Units: 9 Net Weight per Unit: 3788.897 mg



Total Contaminant Load

Passed

Panel	Action Level (ppm)	Result (ppm)
Heavy Metals, Pesticides	5	0.000

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