



## Certificate of Analysis

Compliance Test

### Client Information:

**Trulieve**

6749 Ben Bostic Rd  
Quincy, FL 32351

Batch # 49448\_0004136268  
Batch Date: 2023-05-03

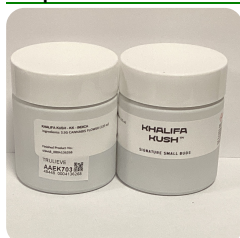
Seed to Sale # 49448\_0004136268  
Lot ID: 43759\_0004136268  
Total Number of Final Products: 4568  
Cultivars: Khalifa Kush  
Test Reg State: Florida

Cultivation Facility: Tallahassee, FL  
Production Facility: Tallahassee, FL  
Production Date: 2023-05-03

Order # TRU230504-190001  
Order Date: 2023-05-04  
Sample # AAEK703

Sampling Date: 2023-05-04  
Lab Batch Date: 2023-05-04  
Completion Date: 2023-05-08

Initial Gross Weight: 2296.100 g  
Number of Units: 16  
Net Weight per Unit: 3500.000 mg  
Sampling Method: MSP 7.3.1



**Potency**  
Tested



**Terpenes**  
Tested



**Heavy Metals**  
Passed



**Mycotoxins**  
Passed



**Pesticides**  
Passed



**Residual Solvents**  
Not Tested



**Moisture**  
Passed



**Water Activity**  
Passed



**Pathogenic Microbiology**  
Passed



**Microbiology (qPCR)**  
Passed



**Filtration and Foreign**  
Passed



**Total Contaminant Load**  
Passed

Product Image

### Potency - 11

Specimen Weight: 207.010 mg

### Tested

SOP13.001 (LCUV)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
THCA-A	150.000	3.20E-5	0.001	314.920	31.492
CBGA	150.000	8.00E-5	0.001	14.090	1.409
Delta-9 THC	150.000	1.30E-5	0.001	9.070	0.907
CBG	150.000	2.48E-4	0.001	1.540	0.154
CBC	150.000	1.80E-5	0.001	<LOQ	<LOQ
CBD	150.000	5.40E-5	0.001	<LOQ	<LOQ
CBDA	150.000	1.00E-5	0.001	<LOQ	<LOQ
CBDV	150.000	6.50E-5	0.001	<LOQ	<LOQ
CBN	150.000	1.40E-5	0.001	<LOQ	<LOQ
Delta-8 THC	150.000	2.60E-5	0.001	<LOQ	<LOQ
THCV	150.000	7.00E-6	0.001	<LOQ	<LOQ
Total Active CBD	150.000			<LOQ	<LOQ
Total Active THC	150.000			285.255	28.525

Prep. By: 1226 Date: 2023-05-05 19:37:07 Analyzed By: 1232 Date: 2023-05-05 13:01:44  
Reviewed By: 1236 Date: 2023-05-06 18:59:23 Lab Batch #: AAEK703-14 Date: 2023-05-06 18:59:23

### Heavy Metals

Specimen Weight: 252.860 mg

### Passed

SOP13.048 (ICP-MS)

Dilution Factor: 197

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	4.83	100	200	<LOQ	Lead (Pb)	.58	100	500	<LOQ
Cadmium (Cd)	.64	100	200	<LOQ	Mercury (Hg)	11.76	100	200	<LOQ

Prep. By: 1160 Date: 2023-05-05 22:27:58 Analyzed By: 1204 Date: 2023-05-05 17:27:58  
Reviewed By: 1142 Date: 2023-05-08 12:27:00 Lab Batch #: AAEK703-4 Date: 2023-05-08 12:27:00

### Potency Summary

<b>Total Active THC</b> 28.525% 998.390mg	<b>Total Active CBD</b> None Detected
<b>Total CBG</b> 1.390% 48.640mg	<b>Total CBN</b> None Detected
<b>Other Cannabinoids</b> None Detected	<b>Total Cannabinoids</b> 29.915% 1,047.030

### Terpenes Summary

Analyte	Result (mg/g)	(%)
trans-Caryophyllene	8.62	0.862%
(R)-(+)-Limonene	5.43	0.543%
beta-Pinene	4.54	0.454%
Linalool	3.49	0.349%
alpha-Humulene	1.99	0.199%
Fenchyl Alcohol	1.05	0.105%
Total Terpeneol	0.74	0.074%
beta-Myrcene	0.7	0.07%
Valencene	0.68	0.068%
alpha-Bisabolol	0.6	0.06%
alpha-Pinene	0.52	0.052%
Nerol	0.3	0.03%
Pulegone	0.3	0.03%

**Total Terpenes: 2.896%**

Detailed Terpenes Analysis is on the following page

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



Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A \* 0.877), \*Total CBDV = CBDV + (CBDVA \* 0.87), Total Active THC = THCA-A \* 0.877 + Delta 9 THC, Total THC = THCV + (THCVA \* 0.87), CBG Total = (CBGA \* 0.877) + CBG, CBN Total = (CBNA \* 0.877) + CBN, Total CBC = CBC + (CBCA \* 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Total THCP = Delta8-THCP + Delta9-THCP, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta8-THC + Delta9-THC + Total CBN + CBT + CBE + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate + Total THCP, (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) = Water Activity, (mg/Kg) = Milligram per Kilogram, Passed - Analyte/microbe is non-detected or at the level below the action limit, Failed - Analyte/microbe is at the level that equal or above the action limit

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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Cultivars: Khalifa Kush  
Test Reg State: Florida

Cultivation Facility: Tallahassee, FL  
Production Facility: Tallahassee, FL  
Production Date: 2023-05-03

Order # TRU230504-190001  
Order Date: 2023-05-04  
Sample # AAEK703

Sampling Date: 2023-05-04  
Lab Batch Date: 2023-05-04  
Completion Date: 2023-05-08

Initial Gross Weight: 2296.100 g

Number of Units: 16  
Net Weight per Unit: 3500.000 mg  
Sampling Method: MSP 7.3.1



**Terpenes**

Specimen Weight: 207.010 mg

**Tested**

SOP13.045 (GC/GCMS)

Dilution Factor: 30.000

Analyte	Dilution (1:n)	LOQ (%)	Result (mg/g)	(%)	Analyte	Dilution (1:n)	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	1.000	0.002	8.620	0.862	Camphene	1.000	0.002	<LOQ	
(R)-(+)-Limonene	1.000	0.002	5.430	0.543	Camphors	1.000	0.006	<LOQ	
beta-Pinene	1.000	0.002	4.540	0.454	Caryophyllene oxide	1.000	0.002	<LOQ	
Linalool	1.000	0.002	3.490	0.349	cis-Nerolidol	1.000	0.002	<LOQ	
alpha-Humulene	1.000	0.002	1.990	0.199	Eucalyptol	1.000	0.002	<LOQ	
Fenchyl Alcohol	1.000	0.002	1.050	0.105	Farnesene	1.000	0.002	<LOQ	
Total Terpineol	30.000	0.00126	0.740	0.074	Fenchone	1.000	0.002	<LOQ	
beta-Myrcene	1.000	0.002	0.700	0.070	Gamma-Terpinene	1.000	0.002	<LOQ	
Valencene	1.000	0.002	0.680	0.068	Geraniol	1.000	0.002	<LOQ	
alpha-Bisabolol	1.000	0.002	0.600	0.060	Geranyl acetate	1.000	0.002	<LOQ	
alpha-Pinene	1.000	0.002	0.520	0.052	Guaiaol	1.000	0.002	<LOQ	
Nerol	1.000	0.002	0.300	0.030	Hexahydrothymol	1.000	0.002	<LOQ	
Pulegone	1.000	0.002	0.300	0.030	Isoborneol	1.000	0.002	<LOQ	
(+)-Cedrol	1.000	0.002	<LOQ		Isopulegol	1.000	0.002	<LOQ	
3-Carene	1.000	0.002	<LOQ		Ocimene	1.000	0.00033	<LOQ	
alpha-Cedrene	1.000	0.002	<LOQ		Sabinene	1.000	0.002	<LOQ	
alpha-Phellandrene	1.000	0.002	<LOQ		Sabinene Hydrate	1.000	0.002	<LOQ	
alpha-Terpinene	1.000	0.002	<LOQ		Terpinolene	1.000	0.002	<LOQ	
Borneol	1.000	0.004	<LOQ		trans-Nerolidol	1.000	0.002	<LOQ	

Prep. By: 1027

Date: 2023-05-05 21:31:28

Analyzed By: 1027

Date: 2023-05-05 16:31:28

Reviewed By: 1035

Date: 2023-05-07 17:32:05

Lab Batch #: AAEK703-175

Date: 2023-05-07 17:32:05



**Moisture**

Specimen Weight: N/A Dilution Factor: 1.000

**Passed**

SOP13.015  
(Moisture Meter) Dilution Factor: 1.000

**Water Activity**

Specimen Weight: 0.500 g

**Passed**

SOP13.016 (Water Activity Analyzer)

Analyte	Action Level (%)	Result (%)	Analyte	Action Level (aw)	Result (aw)
Moisture	15	13.280	Water Activity	0.65	0.477
Prep. By: 1195	Date: 2023-05-05 16:36:32	Analyzed By: 1195	Date: 2023-05-05 11:36:32	Prep. By: 1195	Date: 2023-05-05 16:35:14
Reviewed By: 1195	Date: 2023-05-05 17:13:54	Lab Batch #: AAEK703-10	Date: 2023-05-05 17:13:54	Reviewed By: 1195	Date: 2023-05-05 17:14:34

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

Definitions are found on page 1

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Seed to Sale # 49448\_0004136268  
Lot ID: 43759\_0004136268  
Total Number of Final Products: 4568  
Cultivars: Khalifa Kush  
Test Reg State: Florida

Cultivation Facility: Tallahassee, FL  
Production Facility: Tallahassee, FL  
Production Date: 2023-05-03

Order # TRU230504-190001  
Order Date: 2023-05-04  
Sample # AAEK703

Sampling Date: 2023-05-04  
Lab Batch Date: 2023-05-04  
Completion Date: 2023-05-08

Initial Gross Weight: 2296.100 g

Number of Units: 16  
Net Weight per Unit: 3500.000 mg  
Sampling Method: MSP 7.3.1



### Mycotoxins

Specimen Weight: 253.000 mg

Dilution Factor: 5.930

Analyte	Dilution (1:n)	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	5.930		6	20	<LOQ
Aflatoxin B2	5.930		6	20	<LOQ
Aflatoxin G1	5.930		6	20	<LOQ

Prep. By: 1237

Date: 2023-05-06 00:18:59

Analyzed By: 1225

Date: 2023-05-06 19:19:00

Reviewed By: 1044

Date: 2023-05-08 14:12:11

Lab Batch #: AAEK703-5

Date: 2023-05-08 14:12:11



**Passed**

SOP13.007 (LCMS)

### Total Yeast and Mold

Specimen Weight: 1019.900 mg

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Remark
Total Yeast/Mold	100000	<LOQ	Passed
Prep. By: 1161	Date: 2023-05-05 15:19:29	Analyzed By: 1161	Date: 2023-05-05 10:19:29
Reviewed By: 1161	Date: 2023-05-06 07:25:52	Lab Batch #: AAEK703-218	Date: 2023-05-06 07:25:52



### Filtration and Foreign Material

Specimen Weight: N/A Dilution Factor: 1.000

Analyte	Action Level (%)	Result (%)	Analyte	Action Level (%)	Result (%)
Covered Area	10	0.000	Weight %	1	0.000
Feces	0.5	0.000			
Prep. By: 1237	Date: 2023-05-05 02:45:06	Analyzed By: 1237	Date: 2023-05-05 21:45:06		
Reviewed By: 1237	Date: 2023-05-04 21:48:02	Lab Batch #: AAEK703-17	Date: 2023-05-04 21:48:02		



### Pathogenic Microbiology SAE (MicroArray)

Specimen Weight: 1042.200 mg

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus flavus	1	Absence in 1g	Aspergillus terreus	1	Absence in 1g
Aspergillus fumigatus	1	Absence in 1g	Salmonella	1	Absence in 1g
Aspergillus niger	1	Absence in 1g	STEC E. Coli	1	Absence in 1g

Prep. By: 1225

Date: 2023-05-07 20:07:57

Analyzed By: 1225

Date: 2023-05-07 15:07:58

Reviewed By: 1179

Date: 2023-05-08 15:06:28

Lab Batch #: AAEK703-13

Date: 2023-05-08 15:06:28

*Aixia Sun*

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

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Production Date: 2023-05-03

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Order Date: 2023-05-04  
Sample # AAEK703

Sampling Date: 2023-05-04  
Lab Batch Date: 2023-05-04  
Completion Date: 2023-05-08

Initial Gross Weight: 2296.100 g

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Net Weight per Unit: 3500.000 mg  
Sampling Method: MSP 7.3.1



### Pesticides FL

Specimen Weight: 253.000 mg

**Passed**

SOP13.007 (LCMS/GCMS)

Dilution Factor: 5.930

Analyte	Dilution (1:n)	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	Dilution (1:n)	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	5.930	2.8800E-1	28.23	100	<LOQ	Fludioxonil	5.930	1.7400E+0	48	100	<LOQ
Acephate	5.930	2.3000E-2	30	100	<LOQ	Hexythiazox	5.930	4.9000E-2	30	100	<LOQ
Acequinocyl	5.930	9.5640E+0	48	100	<LOQ	Imazalil	5.930	2.4800E-1	30	100	<LOQ
Acetamiprid	5.930	5.2000E-2	30	100	<LOQ	Imidacloprid	5.930	9.4000E-2	30	400	<LOQ
Aldicarb	5.930	2.6000E-2	30	100	<LOQ	Kresoxim Methyl	5.930	4.2000E-2	30	100	<LOQ
Azoxystrobin	5.930	8.1000E-2	10	100	<LOQ	Malathion	5.930	8.2000E-2	30	100	<LOQ
Bifenazate	5.930	4.3000E-2	30	100	<LOQ	Metaxyl	5.930	8.1000E-2	10	100	<LOQ
Bifenthrin	5.930	1.4150E+0	30	100	<LOQ	Methiocarb	5.930	3.2000E-2	30	100	<LOQ
Boscalid	5.930	5.5000E-2	10	100	<LOQ	Methomyl	5.930	2.2000E-2	30	100	<LOQ
Captan	5.930	6.1200E+0	30	700	<LOQ	methyl-Parathion	5.930	1.7100E+0	10	100	<LOQ
Carbaryl	5.930	2.2000E-2	10	500	<LOQ	Mevinphos	5.930	2.1500E+0	10	100	<LOQ
Carbofuran	5.930	3.4000E-2	10	100	<LOQ	Myclobutanil	5.930	1.0290E+0	30	100	<LOQ
Chlorantraniliprole	5.930	3.3000E-2	10	1000	<LOQ	Naled	5.930	9.5000E-2	30	250	<LOQ
Chlordane	5.930	1.0000E+1	10	100	<LOQ	Oxamyl	5.930	2.5000E-2	30	500	<LOQ
Chlorfenapyr	5.930	8.0000E-2	30	100	<LOQ	Paclobutrazol	5.930	6.5000E-2	30	100	<LOQ
Chloromequat Chloride	5.930	1.0800E-1	10	1000	<LOQ	Pentachloronitrobenzene	5.930	1.3200E+0	10	150	<LOQ
Chlorpyrifos	5.930	3.5000E-2	30	100	<LOQ	Permethrin	5.930	3.4300E-1	30	100	<LOQ
Clofentezine	5.930	1.1900E-1	30	200	<LOQ	Phosmet	5.930	8.2000E-2	30	100	<LOQ
Coumaphos	5.930	3.7700E+0	48	100	<LOQ	Piperonylbutoxide	5.930	2.9000E-2	30	3000	<LOQ
Cyfluthrin	5.930	3.1100E+0	30	500	<LOQ	Prallethrin	5.930	7.9800E-1	30	100	<LOQ
Cypermethrin	5.930	1.4490E+0	30	500	<LOQ	Propiconazole	5.930	7.0000E-2	30	100	<LOQ
Daminozide	5.930	8.8500E-1	30	100	<LOQ	Propoxur	5.930	4.6000E-2	30	100	<LOQ
Diazinon	5.930	4.4000E-2	30	100	<LOQ	Pyrethrins	5.930	2.3593E+1	30	500	<LOQ
Dichlorvos	5.930	2.1820E+0	30	100	<LOQ	Pyridaben	5.930	3.2000E-2	30	200	<LOQ
Dimethoate	5.930	2.1000E-2	30	100	<LOQ	Spinetoram	5.930	8.0000E-2	10	200	<LOQ
Dimethomorph	5.930	5.8300E+0	48	200	<LOQ	Spinosad	5.930	8.8000E-2	30	100	<LOQ
Ethoprophos	5.930	3.6000E-1	30	100	<LOQ	Spiromesifen	5.930	2.6100E-1	30	100	<LOQ
Etofenprox	5.930	1.1600E-1	30	100	<LOQ	Spirotetramat	5.930	8.9000E-2	30	100	<LOQ
Etoxazole	5.930	9.5000E-2	30	100	<LOQ	Spiroxamine	5.930	1.3100E-1	30	100	<LOQ
Fenhexamid	5.930	5.1000E-1	10	100	<LOQ	Tebuconazole	5.930	6.7000E-2	30	100	<LOQ
Fenoxycarb	5.930	1.0700E-1	30	100	<LOQ	Thiacloprid	5.930	6.4000E-2	30	100	<LOQ
Fenpyroximate	5.930	1.3800E-1	30	100	<LOQ	Thiamethoxam	5.930	5.0000E-2	30	500	<LOQ
Fipronil	5.930	1.0700E-1	30	100	<LOQ	Trifloxystrobin	5.930	3.7000E-2	30	100	<LOQ
Flonicamid	5.930	5.1700E-1	30	100	<LOQ						

Prep. By: 1237

Date: 2023-05-06 00:18:59

Analyzed By: 1225

Date: 2023-05-06 19:19:00

Reviewed By: 1044

Date: 2023-05-08 14:12:04

Lab Batch #: AAEK703-191

Date: 2023-05-08 14:12:04



### Total Contaminant Load

**Passed**

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

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

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