

Certificate of Analysis

Client Name Stilwell Tops

Address

471220 E 810 Rd Stilwell, OK 74960

Sample ID SA-083121-11889

Strain Orange Poison **License Number** GAAA--VJAP-ZLJA

Phone 918-822-3621

Sample Type Flower

Sample Batch # 2021-007

08/31/2021 **Date Received**

	Summ	
Potency Profile		
<u>Cannabinoid</u>	Result mg/g	
CBDV	-	
CBDA	0.793345	
CBN	-	
CBD	1.30449	
CBGA	6.78336	
CBG	1.57604	
THCV	0.452579	
Δ9-THC	10.9684	
Δ8-THC	-	
THCA	265.329	
CBC	0.628287	
Total THC %	24.3662%	
Total THC mg/g	243.662	

Microbiological Profile		
All Results	Pass	

Mycotoxin Screening			
All Results NT			

Residual Solvents				
All Results NT				

Heavy Metals Screening			
All Results Pass			

Pesticide Screening			
All Results Pass			

Water Activity			
All Results Pass			

Results				
Terpene Profile				
<u>Terpene</u>	Result %			
Camphene	0.0204459			
Myrcene	0.33182			
β-pinene	0.124912			
3-Carene	-			
Delta-limonene	-			
Cymene	-			
β-Ocimene	-			
Eucalyptol	-			
γ-Terpinene	-			
a-Terpinene	-			
Terpinolene	0.01001			
Linalool	0.257917			
Isopulegol	0.0982896			
Geraniol	-			
β-Caryophyllene	0.484739			
Humulene	0.195408			
Nerolidol	0.0776307			
Guaiol	-			
Caryophillene oxide	0.0139501			
α-Bisabolol	0.0318403			
Total Terpene %	1.64696			



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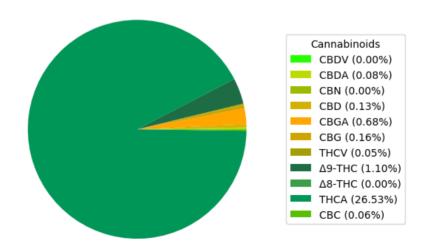
Date Received 08/31/2021

Potency

Date Analyzed: 09/5/2021Date Completed: 09/07/2021Batch #: BA-090321-1850Instrument: GTL-INST-001Method: HPLC-UVLab Tech: Audrey Krabacher

Cannabinoid	Result %	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
CBDV	ND	ND	-	1.000
CBDA	0.0793	0.7933	-	1.000
CBN	ND	ND	-	1.000
CBD	0.1304	1.3045	-	1.000
CBGA	0.6783	6.7834	-	1.000
CBG	0.1576	1.5760	-	1.000
THCV	0.0453	0.4526	-	1.000
Δ9-ΤΗС	1.0968	10.9684	-	1.000
Δ8-ΤΗС	ND	ND	-	1.000
THCA	26.5329	265.329	-	1.000
CBC	0.0628	0.6283	-	0.885
% Moisture	6.3			
Total Cannabinoids	28.7836	287.836		
Total CBD	0.2000	2.0002		
Total THC	24.3662	243.662		

Cannabinoid Distribution (%)





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Sample Type Flower

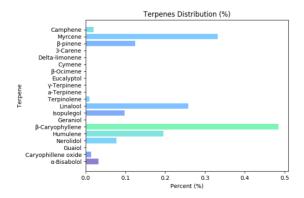
Sample Batch # 2021-007 **Date Received** 08/31/2021

Terpenoid

Date Analyzed: 09/5/2021 Date Completed: 09/07/2021 Batch #: BA-090721-1859 Instrument: GTL-INST-013 Method: Direct injection by GC-MS Lab Tech: Audrey Krabacher

Terpene	Result (mg/g)	Result (%)	LOD (ug/g)	LOQ (ug/g)
Camphene	0.2045	0.0204	-	0.000004600
Myrcene	3.3182	0.3318	-	0.000004600
β-pinene	1.2491	0.1249	-	0.000004600
3-Carene	ND	ND	-	0.000004600
Delta-limonene	ND	ND	-	0.000004600
Cymene	ND	ND	-	0.000004600
β-Ocimene	ND	ND	-	0.000004600
Eucalyptol	ND	ND	-	0.000004600
γ-Terpinene	ND	ND	-	0.000004600
a-Terpinene	ND	ND	-	0.000004600
Terpinolene	0.1001	0.0100	-	0.000004600
Linalool	2.5792	0.2579	-	0.000004600
Isopulegol	0.9829	0.0983	-	0.000004600
Geraniol	ND	ND	-	0.000004600
β-Caryophyllene	4.8474	0.4847	-	0.000004600
Humulene	1.9541	0.1954	-	0.000004600
Nerolidol	0.7763	0.0776	-	0.000004600
Guaiol	ND	ND	-	0.000004600
Caryophillene oxide	0.1395	0.0140	-	0.000004600
α-Bisabolol	0.3184	0.0318	-	0.000004600

Total Terpenes (%): 16.4696 1.6470





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Sample Type Flower

Sample Batch #

Date Received 08/31/2021

Foreign Materials

PASS

Instrument: GTL-INST-007 Method: Amscope Microscope Lab Tech: Audrey Krabacher

Analyte	Result (%)	Threshold (%)	Pass/Fail
Sand, Soils, Cinders, and Dirt	ND	25	Pass
Imbedded Foreign Material	ND	25	Pass
Insect Fragment	ND	1	Pass
Hair	ND	1	Pass
Mammalian Excreta	ND	1	Pass

Heavy Metals PASS

Instrument: GTL-INST-017 Method: HPLC-ICP/MS - Performed by Higher Testing Lab Tech:

Analyte	Result (ppm)	LOD (ppm)	LOQ (ppm)	Threshold (ppm)	Pass/Fail
Cadmium	ND	0.50	-	0.4	Pass
Lead	ND	0.50	-	1.0	Pass
Arsenic	ND	0.50	-	0.4	Pass
Mercury	ND	0.50	-	0.2	Pass

Microbial Analysis

PASS

Date Analyzed: 09/2/2021 Date Completed: 09/07/2021

Instrument: GTL-INST-003 Method: Hardy Compact Dry Lab Tech:

Bacteria/Fungus	Result (CFU/g)	LOD (CFU/g)	LOQ (CFU/g)	Threshold (CFU/g)	Pass/Fail
Escherichia Coli (E. Coli)	ND	1.00	1.00	1	Pass
Yeast/Mold	ND	1.00	1.00	10,000	Pass
Salmonella spp	ND	1.00	1.00	1	Pass
Aspergillus fumigatus	ND	1.00		1	Pass
Aspergillus terreus	ND	1.00		1	Pass
Aspergillus flavus	ND	1.00		1	Pass
Aspergillus niger	ND	1.00		1	Pass



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Pesticide Profile PASS

Instrument: GTL-INST-018 Method: LC/MS QQQ - Performed by Higher Testing Lab Tech:

Pesticide	Result (ppm)	LOQ (ppm)	Threshold (ppm)	Pass/Fail
Abamectin	ND	0.1	0.5	Pass
Azoxystrobin	ND	0.1	0.2	Pass
Bifenazate	ND	0.1	0.2	Pass
Etoxazole	ND	0.1	0.2	Pass
Imazalil	ND	0.1	0.2	Pass
Imidacloprid	ND	0.1	0.4	Pass
Malathion	ND	0.1	0.2	Pass
Myclobutanil	ND	0.1	0.2	Pass
Permethrin	ND	0.1	0.2	Pass
Spinosad	ND	0.1	0.2	Pass
Spiromesifen	ND	0.1	0.2	Pass
Spirotetramat	ND	0.1	0.2	Pass
Tebuconazole	ND	0.1	0.4	Pass

Water Activity PASS

Date Analyzed: 09/5/2021 Date Completed: 09/07/2021

Instrument: GTL-INST-010 Method: TDL Water Activity Lab Tech:

AnalyteFindingLimitStatusWater Activity0.4240.65Tested

Reviewed By: Anthony Brixey

Anthony Brixey

09/07/2021

Approved By: James Rhudy

09/07/2021