



**Genesis Testing Labs**  
 1620 South Main St, Unit A  
 Grove, OK 74344  
 (918)791-3460  
 OMMA # LAAA-EKZ6-UNEB

# Certificate of Analysis

<b>Client Name</b>	Stilwell Tops	<b>License Number</b>	GAAA--VJAP-ZLJA
<b>Address</b>	471220 E 810 Rd Stilwell, OK 74960	<b>Phone</b>	918-822-3621
<b>Sample ID</b>	SA-083121-11890	<b>Sample Type</b>	Flower
<b>Strain</b>	Purple Sun	<b>Sample Batch #</b>	2021-008
		<b>Date Received</b>	08/31/2021

Summary of Results			
<b>Potency Profile</b>		<b>Terpene Profile</b>	
<b>Cannabinoid</b>	<b>Result mg/g</b>	<b>Terpene</b>	<b>Result %</b>
CBDV	-	Camphene	0.0136292
CBDA	0.756579	Myrcene	0.205403
CBN	-	β-pinene	0.0883212
CBD	1.29316	3-Carene	-
CBGA	4.77557	Delta-limonene	-
CBG	1.63121	Cymene	-
THCV	0.445362	β-Ocimene	-
Δ9-THC	23.5183	Eucalyptol	-
Δ8-THC	-	γ-Terpinene	-
THCA	264.33	α-Terpinene	-
CBC	0.708287	Terpinolene	0.0139511
<b>Total THC %</b>	25.5336%	Linalool	0.309714
<b>Total THC mg/g</b>	255.336	Isopulegol	0.0699701
<b>Microbiological Profile</b>		Geraniol	-
<b>All Results</b>	<b>Pass</b>	β-Caryophyllene	0.781154
<b>Mycotoxin Screening</b>		Humulene	0.270651
<b>All Results</b>	<b>NT</b>	Nerolidol	0.143374
<b>Residual Solvents</b>		Guaiol	-
<b>All Results</b>	<b>NT</b>	Caryophyllene oxide	0.0258632
<b>Heavy Metals Screening</b>		α-Bisabolol	0.0610629
<b>All Results</b>	<b>Pass</b>	<b>Total Terpene %</b>	1.9831
<b>Pesticide Screening</b>			
<b>All Results</b>	<b>Pass</b>		
<b>Water Activity</b>			
<b>All Results</b>	<b>Pass</b>		

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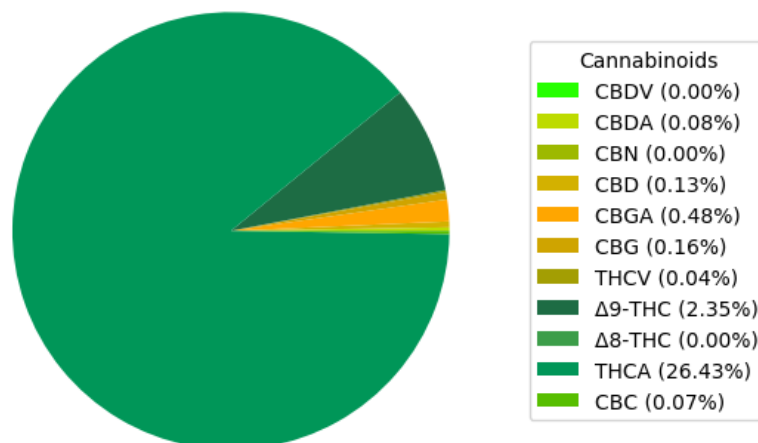
<b>Client Name</b>	Stilwell Tops	<b>License Number</b>	GAAA--VJAP-ZLJA
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<b>Sample ID</b>	SA-083121-11890	<b>Sample Type</b>	Flower
<b>Strain</b>	Purple Sun	<b>Sample Batch #</b>	2021-008
		<b>Date Received</b>	08/31/2021

## Potency

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

Cannabinoid	Result %	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
CBDV	ND	ND	-	1.000
CBDA	0.0757	0.7566	-	1.000
CBN	ND	ND	-	1.000
CBD	0.1293	1.2932	-	1.000
CBGA	0.4776	4.7756	-	1.000
CBG	0.1631	1.6312	-	1.000
THCV	0.0445	0.4454	-	1.000
Δ9-THC	2.3518	23.5183	-	1.000
Δ8-THC	ND	ND	-	1.000
THCA	26.433	264.33	-	1.000
CBC	0.0708	0.7083	-	0.885
<b>% Moisture</b>	7.41			
<b>Total Cannabinoids</b>	29.7458	297.458		
<b>Total CBD</b>	0.1957	1.9567		
<b>Total THC</b>	25.5336	255.336		

Cannabinoid Distribution (%)



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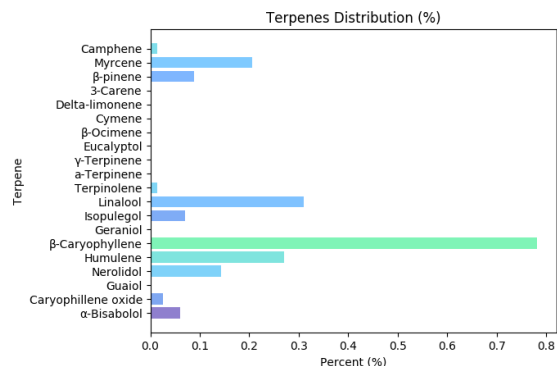
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## Terpenoid

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

Terpene	Result (mg/g)	Result (%)	LOD (ug/g)	LOQ (ug/g)
Camphene	0.1363	0.0136	-	0.000004600
Myrcene	2.0540	0.2054	-	0.000004600
β-pinene	0.8832	0.0883	-	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
α-Terpinene	ND	ND	-	0.000004600
Terpinolene	0.1395	0.0140	-	0.000004600
Linalool	3.0971	0.3097	-	0.000004600
Isopulegol	0.6997	0.0700	-	0.000004600
Geraniol	ND	ND	-	0.000004600
β-Caryophyllene	7.8115	0.7812	-	0.000004600
Humulene	2.7065	0.2707	-	0.000004600
Nerolidol	1.4337	0.1434	-	0.000004600
Guaiol	ND	ND	-	0.000004600
Caryophyllene oxide	0.2586	0.0259	-	0.000004600
α-Bisabolol	0.6106	0.0611	-	0.000004600
<b>Total Terpenes (%):</b>	<b>19.831</b>	<b>1.9831</b>		



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## Foreign Materials

**PASS**

**Date Analyzed:** 09/5/2021  
**Instrument:** GTL-INST-007

**Date Completed:** 09/07/2021  
**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**

**Date Analyzed:** 09/5/2021  
**Instrument:** GTL-INST-017

**Date Completed:** 09/07/2021  
**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  
**Instrument:** GTL-INST-003

**Date Completed:** 09/07/2021  
**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**

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

Analyte	Finding	Limit	Status
Water Activity	0.412	0.65	Tested

*Anthony Brixe*

*James Rhudy*

**Reviewed By:** Anthony Brixe  
09/07/2021

**Approved By:** James Rhudy  
09/07/2021