

**SAMPLE NAME:** Kush Loops

Flower, Hemp

**CULTIVATOR / MANUFACTURER**

**Business Name:**

**License Number:**

**Address:**

**DISTRIBUTOR / TESTED FOR**

**Business Name:** Stoney Branch Ag Ventures LLC

**License Number:**

**Address:**



**SAMPLE DETAIL**

**Batch Number:** 210

**Sample ID:** 240511Q001

**Date Collected:** 05/11/2024

**Date Received:** 05/11/2024

**Batch Size:**

**Sample Size:**

**Unit Mass:**

**Serving Size:**



Scan QR code to verify authenticity of results.

**TERPENOID ANALYSIS - SUMMARY**

39 TESTED, TOP 3 HIGHLIGHTED


Total Terpenoids: **2.2176%**


● Myrcene 12.043 mg/g

●  $\beta$ -Caryophyllene 2.948 mg/g

● Limonene 2.132 mg/g

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

  
LQC verified by: Yasmin Kakkar  
Job Title: Senior Laboratory Analyst  
Date: 05/14/2024

  
Approved by: Josh Wurzer  
Job Title: Chief Compliance Officer  
Date: 05/14/2024

**References:** limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)

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## Terpenoid Analysis

Terpene analysis utilizing gas chromatography-flame ionization detection (GC-FID).

Method: QSP 1192 - Analysis of Terpenoids by GC-FID

### 1 Myrcene

A monoterpene with a fragrance that can be described as peppery, spicy, herbal, floral and woody. Although it has a pleasant odor, it is typically used by the perfume industry as precursor for developing other fragrances. Found in hops, houttuynia, bay, thyme, lemon grass, mango, verbena, cardamom, citrus...etc.

### 2 β-Caryophyllene

A sesquiterpene with a fragrance that can be described as spicy, woody, dry, dusty and mildly sweet. It was one of the first organic compounds to fully synthesized in a laboratory and plays a role in the endocannabinoid system as it is a functional CB<sub>2</sub> receptor agonist. Found in black pepper, clove, hops, rosemary, black-jack, perilla, spicebush, Indian pennywort, celery, frankincense, vitex, parsley, marigold, tamarind...etc.

### 3 Limonene

A monoterpene with a fragrance that can be described as orangey, citrusy, sweet and tart. It is most commonly found in nature as D-Limonene and is a primary contributor to the distinct scent of orange peels, from which it is commonly derived. Found in numerous pines, red maple, silver maple, aspens, cottonwoods, hemlocks, sumac, cedar, junipers...etc.

## TERPENOID TEST RESULTS - 05/14/2024

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Myrcene	0.007 / 0.025	±0.4263	12.043	1.2043
β-Caryophyllene	0.004 / 0.013	±0.1586	2.948	0.2948
Limonene	0.005 / 0.016	±0.0695	2.132	0.2132
α-Bisabolol	0.008 / 0.026	±0.0438	1.018	0.1018
Guaiol	0.011 / 0.035	±0.0525	0.965	0.0965
α-Humulene	0.009 / 0.031	±0.0483	0.898	0.0898
Linalool	0.009 / 0.030	±0.0303	0.772	0.0772
β-Pinene	0.004 / 0.015	±0.0103	0.320	0.0320
Terpineol	0.008 / 0.025	±0.0170	0.277	0.0277
Fenchol	0.009 / 0.029	±0.0081	0.219	0.0219
α-Pinene	0.005 / 0.015	±0.0053	0.147	0.0147
Caryophyllene Oxide	0.011 / 0.038	±0.0064	0.108	0.0108
trans-β-Farnesene	0.008 / 0.028	±0.0046	0.081	0.0081
Borneol	0.004 / 0.014	±0.0037	0.080	0.0080
Camphene	0.004 / 0.014	±0.0016	0.049	0.0049
Fenchone	0.008 / 0.026	±0.0013	0.036	0.0036
Geraniol	0.002 / 0.007	±0.0017	0.032	0.0032
β-Ocimene	0.005 / 0.018	±0.0008	0.020	0.0020
Geranyl Acetate	0.004 / 0.012	±0.0009	0.017	0.0017
Nerol	0.003 / 0.011	±0.0005	0.014	0.0014
Terpinolene	0.008 / 0.027	N/A	<LOQ	<LOQ
Sabinene	0.004 / 0.014	N/A	ND	ND
α-Phellandrene	0.006 / 0.019	N/A	ND	ND
Δ <sup>3</sup> -Carene	0.005 / 0.018	N/A	ND	ND
α-Terpinene	0.006 / 0.019	N/A	ND	ND
p-Cymene	0.005 / 0.015	N/A	ND	ND
Eucalyptol	0.005 / 0.018	N/A	ND	ND
γ-Terpinene	0.005 / 0.018	N/A	ND	ND
Sabinene Hydrate	0.007 / 0.022	N/A	ND	ND
Isopulegol	0.004 / 0.013	N/A	ND	ND
Camphor	0.005 / 0.015	N/A	ND	ND
Isoborneol	0.003 / 0.011	N/A	ND	ND
Menthol	0.008 / 0.025	N/A	ND	ND
Citronellol	0.003 / 0.010	N/A	ND	ND
Pulegone	0.003 / 0.010	N/A	ND	ND
α-Cedrene	0.005 / 0.017	N/A	ND	ND
Valencene	0.010 / 0.033	N/A	ND	ND
Nerolidol	0.006 / 0.020	N/A	ND	ND
Cedrol	0.009 / 0.032	N/A	ND	ND
<b>TOTAL TERPENOIDS</b>			<b>22.176 mg/g</b>	<b>2.2176%</b>