

**SAMPLE NAME: SLEEP BLEND**

Concentrate, Product Inhalable

**CULTIVATOR / MANUFACTURER**

Business Name:

License Number:

Address:

**DISTRIBUTOR / TESTED FOR**

Business Name: Erth, LLC

License Number:

Address:

CA

**SAMPLE DETAIL**

Batch Number:

Sample ID: 230810R012

Date Collected: 08/10/2023

Date Received: 08/10/2023

Batch Size:

Sample Size: 10.0 units

Unit Mass: 2 grams per Unit

Serving Size: 2 grams per Serving



Scan QR code to verify authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**

Total THC: **Not Detected**

Total CBD: **13.459%**

Sum of Cannabinoids: **48.1%**

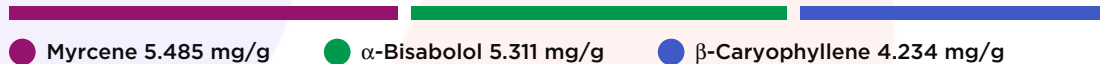
Total Cannabinoids: **48.1%**

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:  
 Total THC = Δ<sup>9</sup>-THC + (THCa (0.877))  
 Total CBD = CBD + (CBDa (0.877))  
 Sum of Cannabinoids = Δ<sup>9</sup>-THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ<sup>8</sup>-THC + CBL + CBN  
 Total Cannabinoids = (Δ<sup>9</sup>-THC+0.877\*THCa) + (CBD+0.877\*CBDa) + (CBG+0.877\*CBGa) + (THCV+0.877\*THCVa) + (CBC+0.877\*CBCa) + (CBDV+0.877\*CBDVa) + Δ<sup>8</sup>-THC + CBL + CBN

**TERPENOID ANALYSIS - SUMMARY**

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: **2.9159%**



**SAFETY ANALYSIS - SUMMARY**

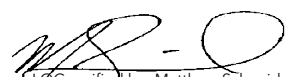
Δ<sup>9</sup>-THC per Unit: **🟢 PASS**

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.

**Sample Certification:** California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

**Decision Rule:** Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

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

  
 LQC verified by: Matthew Schneider  
 Job Title: Laboratory Analyst I  
 Date: 08/13/2023

  
 Approved by: Josh Wurzer  
 Job Title: Chief Compliance Officer  
 Date: 08/13/2023



**Cannabinoid Analysis**

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

**Method:** QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

**TOTAL THC: Not Detected**

Total THC ( $\Delta^9$ -THC+0.877\*THCa)

**TOTAL CBD: 13.459%**

Total CBD (CBD+0.877\*CBDa)

**TOTAL CANNABINOIDS: 48.1%**

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) +  $\Delta^8$ -THC + CBL + CBN

**TOTAL CBG: 0.531%**

Total CBG (CBG+0.877\*CBGa)

**TOTAL THCV: ND**

Total THCV (THCV+0.877\*THCVa)

**TOTAL CBC: 2.24%**

Total CBC (CBC+0.877\*CBCa)

**TOTAL CBDV: 0.416%**

Total CBDV (CBDV+0.877\*CBDVa)

**CANNABINOID TEST RESULTS - 08/12/2023**

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBN	0.1 / 0.3	±15.89	312.2	31.22
CBD	0.07 / 0.29	±4.845	134.59	13.459
CBC	0.2 / 0.5	±0.51	22.4	2.24
CBG	0.06 / 0.19	±0.163	5.31	0.531
CBDV	0.04 / 0.15	±0.141	4.16	0.416
CBL	0.06 / 0.24	±0.063	2.35	0.235
$\Delta^9$ -THC	0.06 / 0.26	N/A	ND	ND
$\Delta^8$ -THC	0.1 / 0.4	N/A	ND	ND
THCa	0.05 / 0.14	N/A	ND	ND
THCV	0.1 / 0.2	N/A	ND	ND
THCVa	0.07 / 0.20	N/A	ND	ND
CBDa	0.02 / 0.19	N/A	ND	ND
CBDVa	0.03 / 0.53	N/A	ND	ND
CBGa	0.1 / 0.2	N/A	ND	ND
CBCa	0.07 / 0.28	N/A	ND	ND
<b>SUM OF CANNABINOIDS</b>			<b>481.0 mg/g</b>	<b>48.1%</b>

**Unit Mass: 2 grams per Unit / Serving Size: 2 grams per Serving**

$\Delta^9$ -THC per Unit	1100 per-package limit	ND	PASS
$\Delta^9$ -THC per Serving		ND	
Total THC per Unit		ND	
Total THC per Serving		ND	
CBD per Unit		269.18 mg/unit	
CBD per Serving		269.18 mg/serving	
Total CBD per Unit		269.18 mg/unit	
Total CBD per Serving		269.18 mg/serving	
Sum of Cannabinoids per Unit		962.0 mg/unit	
Sum of Cannabinoids per Serving		962.0 mg/serving	
Total Cannabinoids per Unit		962.0 mg/unit	
Total Cannabinoids per Serving		962.0 mg/serving	

 **Terpenoid Analysis**

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

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

**TERPENOID TEST RESULTS - 08/12/2023**

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Myrcene	0.008 / 0.025	±0.0549	5.485	0.5485
α-Bisabolol	0.008 / 0.026	±0.2204	5.311	0.5311
β-Caryophyllene	0.004 / 0.012	±0.1173	4.234	0.4234
Linalool	0.009 / 0.032	±0.1249	4.220	0.4220
Limonene	0.005 / 0.016	±0.0218	1.962	0.1962
Nerolidol	0.006 / 0.019	±0.0808	1.648	0.1648
Caryophyllene Oxide	0.010 / 0.033	±0.0417	1.165	0.1165
Guaiol	0.009 / 0.030	±0.0361	0.983	0.0983
α-Humulene	0.009 / 0.029	±0.0193	0.772	0.0772
Citronellol	0.003 / 0.010	±0.0263	0.692	0.0692
α-Phellandrene	0.006 / 0.020	±0.0073	0.686	0.0686
Nerol	0.003 / 0.011	±0.0218	0.633	0.0633
Terpineol	0.009 / 0.031	±0.0153	0.320	0.0320
Terpinolene	0.008 / 0.026	±0.0035	0.220	0.0220
Valencene	0.009 / 0.030	±0.0114	0.213	0.0213
α-Pinene	0.005 / 0.017	±0.0009	0.138	0.0138
β-Pinene	0.004 / 0.014	±0.0011	0.121	0.0121
β-Ocimene	0.006 / 0.020	±0.0029	0.116	0.0116
trans-β-Farnesene	0.008 / 0.025	±0.0015	0.056	0.0056
Geranyl Acetate	0.004 / 0.014	±0.0016	0.048	0.0048
Δ <sup>3</sup> -Carene	0.005 / 0.018	±0.0004	0.038	0.0038
Fenchol	0.010 / 0.034	±0.0011	0.037	0.0037
α-Terpinene	0.005 / 0.017	±0.0003	0.028	0.0028
p-Cymene	0.005 / 0.016	±0.0004	0.017	0.0017
Geraniol	0.002 / 0.007	±0.0005	0.016	0.0016
Eucalyptol	0.006 / 0.018	N/A	<LOQ	<LOQ
γ-Terpinene	0.006 / 0.018	N/A	<LOQ	<LOQ
Borneol	0.005 / 0.016	N/A	<LOQ	<LOQ
Camphene	0.005 / 0.015	N/A	ND	ND
Sabinene	0.004 / 0.014	N/A	ND	ND
Sabinene Hydrate	0.006 / 0.022	N/A	ND	ND
Fenchone	0.009 / 0.028	N/A	ND	ND
Isopulegol	0.005 / 0.016	N/A	ND	ND
Camphor	0.006 / 0.019	N/A	ND	ND
Isborneol	0.004 / 0.012	N/A	ND	ND
Menthol	0.008 / 0.025	N/A	ND	ND
Pulegone	0.003 / 0.011	N/A	ND	ND
α-Cedrene	0.005 / 0.016	N/A	ND	ND
Cedrol	0.008 / 0.027	N/A	ND	ND
<b>TOTAL TERPENOIDS</b>			<b>29.159 mg/g</b>	<b>2.9159%</b>

**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 α-Bisabolol**

A sesquiterpene alcohol with a fragrance that can be described as floral, peppery, sweet and clean. Found in chamomile, figwort, yarrow, skullcaps, lavender, ironwort, germander...etc.

**3 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.