



# Certificate of Analysis

Sample: DE30829015-004  
Harvest/Lot ID: T2HCO00021001-SB01-3 / 210915P037

Batch#: R2CO121521003SA-DZ  
Seed to Sale# 1A4000B00010D25000003299

Batch Date: 08/01/23  
Sample Size Received: 6.5 gram

Total Amount: 6.5 gram

Retail Product Size: 20 ml

Sample Density: 0.92 g/mL

Ordered: 08/29/23

Sampled: 08/29/23

Completed: 09/01/23

**PASSED**

Sep 01, 2023 | Monarch Life Sciences, LLC

License # SUBLINGUAL TINCTURE

8100 S. Akron Street, Suite 316, Suite 316  
Centennial, Colorado, 80112



Pages 1 of 3

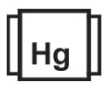
## PRODUCT IMAGE



## SAFETY RESULTS



Pesticides  
NOT TESTED



Heavy Metals  
NOT TESTED



Microbials  
NOT TESTED



Mycotoxins  
NOT TESTED



Residuals Solvents  
NOT TESTED



Filtration  
NOT TESTED



Water Activity  
NOT TESTED



Moisture  
NOT TESTED



Homogeneity  
Testing  
NOT TESTED



Terpenes  
TESTED

## MISC.



## Cannabinoid

**PASSED**



Total THC

ND



Total CBD

30.5166%



Total Cannabinoids

52.0004%



Analyzed by:  
2721, 1642, 2791, 2, 2080

Weight:  
0.4885g

Extraction date:  
08/30/23 12:46:01

Extracted by:  
2813

Analysis Method : SOP.T.40.039.CO  
Analytical Batch : DE006255POT  
Instrument Used : Agilent 1100 "Liger"  
Analyzed Date : 08/30/23 19:30:58

Reviewed On : 09/01/23 14:06:56  
Batch Date : 08/30/23 09:06:08

Dilution : 80  
Reagent : 080223.R12; 082923.R09; 043023.R08; 083023.R01  
Consumables : 947.100; 2014919; 00336569; 0000179471; 303122060; 010222CH03; 234422; 61572-107C6-107H  
Pipette : P200- I1404270G; POT- 20E73244; POT- 20E74976; POT- 20K63477; P1000- 22C53342

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with DAD detection (HPLC-UV). Method SOP.T.90.010.CO for reporting. Lower limit of linearity for all cannabinoids is 1 mg/L.

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**Dane Oberhill**

Lab Director

State License # 405R-00011  
405-00008

ISO 17025 Accreditation # 4331.01



Signature  
09/01/23



879 Federal Blvd  
Denver, CO, 80204, US  
(303) 427-2379

Kaycha Labs

DEEP ZZZ'S

CBD+CBN

Matrix : Infused

Type: Tincture



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Sample Method : SOP Client Method

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## Terpenes

TESTED

Terpenes	LOD (%)	mg/g	%	Result (%)	Terpenes	LOD (%)	mg/g	%	Result (%)
ALPHA-PINENE	0.0020	ND	ND		ANALYZED BY:				
CAMPHENE	0.0020	ND	ND		2813, 2319, 2080				
BETA-PINENE	0.0020	ND	ND		Weight:	0.4885g			
MYRCENE	0.0020	ND	ND		Extraction date:	08/30/23 14:35:41			
DELTA-3-CARENE	0.0020	ND	ND		Extracted by:	2813			
ALPHA-TERPINENE	0.0020	ND	ND		Analysis Method : SOP-067 (R0)				
P-CYMENE	0.0020	ND	ND		Analytical Batch : DE006259TER				
LIMONENE	0.0020	0.494	0.0494		Instrument Used : GC 6890				
EUCALYPTOL	0.0020	ND	ND		Analyzed Date : N/A				
CIS-OCIMENE	0.0020	ND	ND		Dilution : 40				
GAMMA-TERPINENE	0.0020	ND	ND		Reagent : 083023.R01				
TERPINOLENE	0.0020	ND	ND		Consumables : 947.100; 2014919; 00336569; 303122060; 010222CH03				
LINALOOL	0.0020	ND	ND		Pipette : POT- 20E73244				
(-)-ISOPULEGOL	0.0020	ND	ND		Terpenoid profile screening is performed by GC-FID with liquid injection via SOP-067 (R0) which can screen for 28 terpenes.				
BORNEOL	0.0020	ND	ND						
MENTHOL	0.0020	ND	ND						
ALPHA-TERPINEOL	0.0020	ND	ND						
PULEGONE	0.0020	ND	ND						
GERANIOL	0.0020	0.235	0.0235						
2-ETHYL-FENCHOL	0.0020	ND	ND						
BETA-CARYOPHYLLENE	0.0020	1.410	0.1410						
HUMULENE	0.0020	0.351	0.0351						
BISABOLENE	0.0020	ND	ND						
NEROLIDOL	0.0020	ND	ND						
(-)-CARYOPHYLLENE OXIDE	0.0020	ND	ND						
(-)-GUAIAOL	0.0020	ND	ND						
(-)-ALPHA-BISABOLOL	0.0020	ND	ND						
Total (%)			0.2490						

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## COMMENTS

\* Cannabinoid DE30829015-004POT

1 - Measurement Uncertainty for delta-9 THC (wt%, Infused) 95% interval : 0.07, Measurement Uncertainty for THCA (wt%, Infused) 95% interval : 0.05

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