



SMITHERS

Smithers AMS LLC  
790 Main St  
Wareham, MA 02571  
License #: IL281355  
Phone: 508-295-2550

# Certificate of Analysis



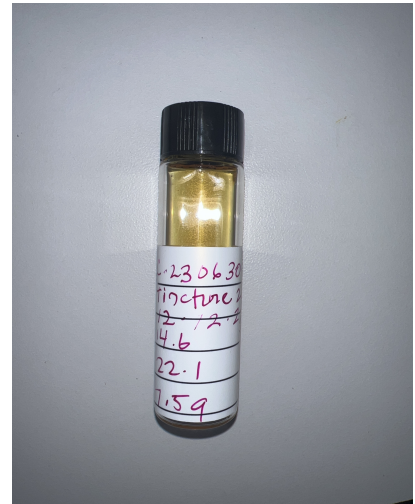
Customer: Real Isolates LLC

**Address:**

48 Dunham Ridge Rd  
Beverly MA 01915

**Phone:** 781-757-1996

**License #:** 25220200P

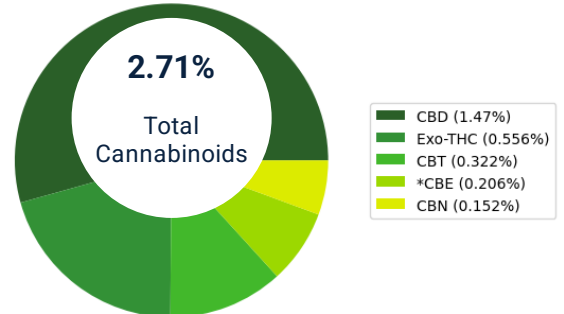


**Sample ID:** 9297  
**Sample Name:** 2.0 Tincture  
**Sample Type:** Tincture  
**Received Date:** 12/18/2023  
**Report Date:** 12/21/2023  
**METRC ID:** N/A  
**Client Batch ID:** C-230630-1  
**Client Sample Size:** 7.5 g  
**Unit Weight (g):** 30

## Results Summary

<b>Cannabinoids Extended</b> 12/19/2023	TESTED
<b>Heavy Metals</b> 12/19/2023	✓ PASS
<b>Microbial Impurities</b> 12/21/2023	✓ PASS
<b>Mycotoxins</b> 12/20/2023	✓ PASS

## Cannabinoid Distribution (%)



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## Cannabinoids Extended

Date Started: 12/18/2023  
Instrument: UPLC-PDA

Date Completed: 12/19/2023  
Method: TP-09.001.05 & TP-09.013.01

Analyst: Yuemin Wang Kovaleff  
Deviation: N/A

Cannabinoid	Result (%)	Result (mg/unit)	LOQ (mg/unit)
CBD	1.47	441	0.249
Exo-THC	0.556	167	0.142
CBT	0.322	96.5	0.0154
*CBE	0.206	61.9	0.0154
CBN	0.152	45.6	0.0154
CBDVA	ND	ND	0.0154
CBDV	ND	ND	0.0154
CBDA	ND	ND	0.0269
CBGA	ND	ND	0.0154
CBG	ND	ND	0.0154
Δ9-THCV	ND	ND	0.0154
Δ8-THCV	ND	ND	0.0154
THCVA	ND	ND	0.0154
CBNA	ND	ND	0.0154
Δ9-THC	ND	ND	0.0269
Δ8-THC	ND	ND	0.0154
CBL	ND	ND	0.0154
THCA-A	ND	ND	0.0269
CBC	ND	ND	0.0154
CBCA	ND	ND	0.0154
CBLA	ND	ND	0.0154
*CBND	ND	ND	0.0154
<b>Total THC</b>	<b>ND</b>	<b>ND</b>	
<b>Total CBD</b>	<b>1.47</b>	<b>441</b>	
<b>Total Cannabinoids</b>	<b>2.71</b>	<b>812</b>	

\*CBND and CBE are not currently included on the ISO 17025 accreditation scope

Total THC = Δ9-THC + (THCA-A x 0.877)

Total CBD = CBD + (CBDA x 0.877)

Total Cannabinoids = Sum of all cannabinoids without THC/CBD corrections.

LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected.

## Heavy Metals

**PASS**

Date Started: 12/19/2023  
Instrument: ICP-MS

Date Completed: 12/19/2023  
Method: TP-09.007.01

Analyst: Meagan Mattos  
Deviation: N/A

Heavy Metals	LOQ (ppb)	Limit (ppb)	Status
Arsenic	53.7	200	Pass
Cadmium	53.7	200	Pass
Lead	53.7	500	Pass
Mercury	26.9	100	Pass

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## Microbial Impurities

✓ PASS

Date Started: 12/18/2023  
Instrument: TEMPO & Gene-Up

Date Completed: 12/21/2023  
Method: TP-09.010.01 & TP-09.011.01

Analyst: Lana Rivera  
Deviation: N/A

Microbials	Limit (CFU/g)	Status
Coliforms	1000	Pass
Bile-Tolerant Gram-Negative Bacteria	1000	Pass
Yeast & Mold	10000	Pass
Aerobic Bacteria	100000	Pass
E.coli		Pass
Salmonella		Pass

## Mycotoxins

✓ PASS

Date Started: 12/19/2023  
Instrument: LC-MS/MS

Date Completed: 12/20/2023  
Method: TP-09.009.04

Analyst: Yuemin Wang Kovaleff  
Deviation: N/A

Mycotoxins	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	4.97		
Aflatoxin B2	3.73		
Aflatoxin G1	3.73		
Aflatoxin G2	4.97		
Ochratoxin A	3.73		
<b>Total Mycotoxins</b>	<b>3.73</b>	<b>20.0</b>	<b>Pass</b>

Eric Steele, Lab Director  
12/21/2023

END OF REPORT

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