



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

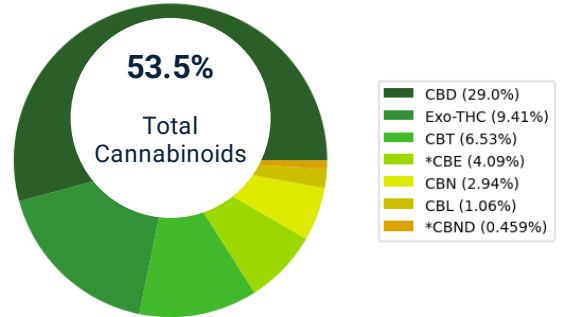


Sample ID: 6048
Sample Name: Test # 1026
Sample Type: Concentrate
Received Date: 07/05/2023
Report Date: 07/10/2023
METRC ID: N/A
Client Batch ID: C230630
Client Sample Size: 2.631 g

Results Summary

Test Name	Result
Cannabinoids Extended 07/06/2023	TESTED
Heavy Metals 07/08/2023	✓ PASS
Microbial Impurities 07/10/2023	✓ PASS
Residual Solvents 07/07/2023	✓ PASS
Mycotoxins 07/07/2023	✓ PASS

Cannabinoid Distribution (%)



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Cannabinoids Extended

Date Started: 07/05/2023

Instrument: UPLC-PDA

Date Completed: 07/06/2023

Method: TP-09.001.03 & TP-09.012.03

Analyst: Yuemin Wang Kovaleff

Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOQ (%)
CBD	29.0	290	1.23
Exo-THC	9.41	94.1	0.493
CBT	6.53	65.3	0.247
*CBE	4.09	40.9	0.247
CBN	2.94	29.4	0.0617
CBL	1.06	10.6	0.0493
*CBND	0.459	4.59	0.247
CBDVA	ND	ND	0.0493
CBDV	ND	ND	0.0493
CBDA	ND	ND	0.123
CBGA	ND	ND	0.0617
CBG	ND	ND	0.0617
Δ9-THCV	ND	ND	0.0493
Δ8-THCV	ND	ND	0.0493
THCVA	ND	ND	0.0493
CBNA	ND	ND	0.0493
Δ9-THC	ND	ND	0.123
Δ8-THC	ND	ND	0.0617
THCA-A	ND	ND	0.123
CBC	ND	ND	0.0493
CBCA	ND	ND	0.0493
CBLA	ND	ND	0.123
Total THC	ND	ND	
Total CBD	29.0	290	
Total Cannabinoids	53.5	535	

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

Total THC = Δ9-THC + Δ8-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: 07/07/2023

Instrument: ICP-MS

Date Completed: 07/08/2023

Method: TP-09.007.01

Analyst: Lana Rivera

Deviation: N/A

Heavy Metals	LOQ (ppb)	Limit (ppb)	Status
Arsenic	56.2	200	Pass
Cadmium	56.2	200	Pass
Lead	56.2	500	Pass
Mercury	28.1	100	Pass

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Microbial Impurities

✓ PASS

Date Started: 07/05/2023
Instrument: TEMPO & Gene-Up

Date Completed: 07/10/2023
Method: TP-09.010.01 & TP-09.011.01

Analyst: Lana Rivera
Deviation: N/A

Microbials	Limit (CFU/g)	Status
Coliforms	100	Pass
Bile-Tolerant Gram-Negative Bacteria	100	Pass
Yeast & Mold	1000	Pass
Aerobic Bacteria	10000	Pass
E.coli		Pass
Salmonella		Pass

Residual Solvents

✓ PASS

Date Started: 07/06/2023
Instrument: HS-GC-MS

Date Completed: 07/07/2023
Method: TP-09.005.03

Analyst: Yuemin Wang Kovaleff
Deviation: N/A

Residual Solvent	LOQ (ppm)	Limit (ppm)	Status
n-Propane	1.53	12.0	Pass
Iso-butane	1.53	12.0	Pass
n-Butane	1.53	12.0	Pass
Methanol	92.1	3000	Pass
Ethylene Oxide	0.613		Pass
n-Pentane	92.1	5000	Pass
Ethanol	92.1	5000	Pass
Ethyl Ether	92.1	5000	Pass
Acetone	92.1	5000	Pass
Isopropyl Alcohol	92.1	5000	Pass
Acetonitrile	92.1	410	Pass
Methylene Chloride	0.613	600	Pass
n-Hexane	92.1	290	Pass
Ethyl Acetate	92.1	5000	Pass
Chloroform	0.613	60.0	Pass
1,2-Dichloroethane	0.613	1870	Pass
Benzene	0.613		Pass
n-Heptane	92.1	5000	Pass
Trichloroethylene	0.613	80.0	Pass
Toluene	92.1	890	Pass
Total Xylenes	46.0	2170	Pass

Mycotoxins

✓ PASS

Date Started: 07/06/2023
Instrument: LC-MS/MS

Date Completed: 07/07/2023
Method: TP-09.009.01

Analyst: Yuemin Wang Kovaleff
Deviation: N/A

Mycotoxins	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	4.75		
Aflatoxin B2	3.56		
Aflatoxin G1	3.56		
Aflatoxin G2	4.75		
Ochratoxin A	3.56		
Total Mycotoxins	3.56	20.0	Pass

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Eric Steele, Lab Director
07/10/2023

END OF REPORT

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