



Certificate of Analysis

Final Report (Version #1)

Client Name: Mediwanna / PINNRZ
Client Location: 251 Simpson Ave,
Bowmanville, ON, L1C 2J2
Requestor Name: Haxhi, Irene
Requestor Phone: (437) 348 - 2148


Molecular Science Corp
55 Town Centre Crt., Suite 902, Toronto, ON, M1P 4X4,
(416) 800 - 0479
<https://mscience.ca>

Sample Name: PINNRZ-Purple **Quotation #:** NA **MSC Project ID:** 22000110
Sample Description: Dried Cannabis **Customer PO Number:** NA **MSC Sample Number:** 11268
Lot ID: P00-01 **Customer Project No:** N/A **Sample Receipt Date:** 03/18/2022
COA MSC Issued Date: 03/23/2022

Cannabinoids - Dried Cannabis (mg/g) (Rev 7)
MSC-SOP-041-Rev 7 [HPLC-UV] Validated On: 11/11/2020

Line #	Analyte	Specification	LOQ	Results Units	Pass/Fail
1	CBC	N/A	4.0	LT LOQ mg/g	FIO
2	CBD	N/A	0.2	3.0 mg/g	FIO
3	CBDA	N/A	0.2	54.8 mg/g	FIO
4	CBDV	N/A	4.0	LT LOQ mg/g	FIO
5	CBG	N/A	4.0	LT LOQ mg/g	FIO
6	CBGA	N/A	4.0	LT LOQ mg/g	FIO
7	CBN	N/A	4.0	LT LOQ mg/g	FIO
8	d8-THC	N/A	4.0	LT LOQ mg/g	FIO
9	d9-THC	N/A	0.8	13.1 mg/g	FIO
10	THCA	N/A	0.8	87.2 mg/g	FIO
11	THCV	N/A	4.0	LT LOQ mg/g	FIO
12	Total CBD (CBD+ 0.877CBDA)	N/A	0.2	51.0 mg/g	FIO
13	Total THC (d9-THC+ 0.877THCA)	N/A	0.8	89.6 mg/g	FIO

Additional Comments (if any): THC Total Wt% = 8.96 CBD Total Wt% = 5.10

Reviewed By: 

Lab Operations

Date: 03/23/2022

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Quality Assurance

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Sample Name: PINNRZ-Purple
Sample Description: Dried Cannabis
Lot ID: P00-01

Quotation #: NA
Customer PO Number: NA
Customer Project No: N/A

MSC Project ID: 22000110
MSC Sample Number: 11268
Sample Receipt Date: 03/18/2022
COA MSC Issued Date: 03/23/2022

* No Health Canada Limit (Report Only)

† GC-MS/MS

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Note 4: The sum of the total concentration of Pyrethrin I and Pyrethrin II (For Dried Cannabis Only) must be <0.05 in order for the analytes to pass Health Canada specifications.

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Sample Description: Dried Cannabis	Customer PO Number: NA	MSC Sample Number: 11269
Lot ID: P00-01	Customer Project No: N/A	Sample Receipt Date: 03/18/2022
		COA MSC Issued Date: 03/24/2022

Heavy Metals (R8)					
MSC-SOP-050-Rev 8 [ICP-MS] Validated On: 01/10/2022					

Line #	Analyte	Specification	LOQ	Results Units	Pass/Fail
1	Arsenic	N/A	0.12	LT LOQ ppm	N/A
2	Cadmium	N/A	0.13	LT LOQ ppm	N/A
3	Lead	N/A	0.27	LT LOQ ppm	N/A
4	Mercury	N/A	0.05	LT LOQ ppm	N/A

Aflatoxins - Dried Cannabis					
MSC-SOP-043-Rev 4 [LC-MS/MS] Validated On: 05/07/2020					

Line #	Analyte	Specification	LOQ	Results Units	Pass/Fail
1	B1	2	1.4	LT LOQ ppb	Pass
2	B2	N/A	0.4	LT LOQ ppb	N/A
3	G1	N/A	1.3	LT LOQ ppb	N/A
4	G2	N/A	0.8	LT LOQ ppb	N/A
5	Total (B1+B2+G1+G2)	4	4	LT LOQ ppb	Pass

Terpenes - 2nd Dilution					
MSC-SOP-023-Rev 6 [GC-MS/FID] Validated On: 08/25/2021					

Line #	Analyte	Specification	LOQ	Results Units	Pass/Fail
1	Total Terpenes	N/A	N/A	5.30 mg/g	FIO
2	(-)-alpha-Bisabolol	N/A	0.05	0.67 mg/g	FIO
3	(-)-Caryophyllene oxide	N/A	0.25	LT LOQ mg/g	FIO
4	(-)-Guaiol	N/A	0.025	0.606 mg/g	FIO
5	(-)-Isopulegol	N/A	0.05	LT LOQ mg/g	FIO
6	(+)-Borneol	N/A	0.05	LT LOQ mg/g	FIO
7	(+)-Camphor	N/A	0.075	LT LOQ mg/g	FIO
8	(+)-Cedrol	N/A	0.05	LT LOQ mg/g	FIO
9	(+)-Fenchone	N/A	0.05	LT LOQ mg/g	FIO
10	(+)-Pulegone	N/A	0.05	LT LOQ mg/g	FIO
11	(1R)-Endo-(+)-Fenchyl Alcohol	N/A	0.05	0.13 mg/g	FIO
12	(1S)-(+)-3-Carene	N/A	0.05	LT LOQ mg/g	FIO
13	(R)-(+)-Limonene	N/A	0.05	0.26 mg/g	FIO
14	alpha-Cedrene	N/A	0.025	LT LOQ mg/g	FIO
15	alpha-Farnesene	N/A	0.075	0.445 mg/g	FIO
16	alpha-Humulene	N/A	0.05	0.31 mg/g	FIO
17	alpha-Terpinene	N/A	0.05	LT LOQ mg/g	FIO



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Lot ID: P00-01 **Customer Project No:** N/A **Sample Receipt Date:** 03/18/2022
COA MSC Issued Date: 03/24/2022

Terpenes - 2nd Dilution
MSC-SOP-023-Rev 6 [GC-MS/FID] Validated On: 08/25/2021

Line #	Analyte	Specification	LOQ	Results Units	Pass/Fail
18	alpha-Terpineol	N/A	0.025	0.127 mg/g	FIO
19	a-Pinene	N/A	0.05	0.15 mg/g	FIO
20	beta-Myrcene	N/A	0.05	0.99 mg/g	FIO
21	beta-Pinene	N/A	0.025	0.081 mg/g	FIO
22	Camphene	N/A	0.05	LT LOQ mg/g	FIO
23	cis-Nerolidol	N/A	0.25	LT LOQ mg/g	FIO
24	cis-Ocimene	N/A	0.05	LT LOQ mg/g	FIO
25	Eucalyptol	N/A	0.05	LT LOQ mg/g	FIO
26	Eugenol	N/A	0.25	LT LOQ mg/g	FIO
27	gamma-Terpinene	N/A	0.025	LT LOQ mg/g	FIO
28	gamma-Terpineol	N/A	0.0075	LT LOQ mg/g	FIO
29	Geraniol	N/A	0.25	LT LOQ mg/g	FIO
30	Geranyl Acetate	N/A	0.025	LT LOQ mg/g	FIO
31	Hexahydrothymol	N/A	0.05	LT LOQ mg/g	FIO
32	Isoborneol	N/A	0.05	LT LOQ mg/g	FIO
33	Linalool	N/A	0.025	0.521 mg/g	FIO
34	Nerol	N/A	0.05	LT LOQ mg/g	FIO
35	P-Mentha-1,5 diene	N/A	0.05	LT LOQ mg/g	FIO
36	Sabinene	N/A	0.025	LT LOQ mg/g	FIO
37	Sabinene Hydrate	N/A	0.05	LT LOQ mg/g	FIO
38	Terpinolene	N/A	0.025	LT LOQ mg/g	FIO
39	trans-Caryophyllene	N/A	0.025	1.018 mg/g	FIO
40	trans-Nerolidol	N/A	0.05	LT LOQ mg/g	FIO
41	trans-Ocimene	N/A	0.05	LT LOQ mg/g	FIO
42	Valencene	N/A	0.05	LT LOQ mg/g	FIO

Additional Comments (if any):

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Lab Operations

Date:

03/24/2022



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Lot ID: P00-01	Customer Project No: N/A	Sample Receipt Date: 03/18/2022
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Sample Name: PINNRZ-Purple **Quotation #:** NA **MSC Project ID:** 22000110
Sample Description: Dried Cannabis **Customer PO Number:** NA **MSC Sample Number:** 11270
Lot ID: P00-01 **Customer Project No:** N/A **Sample Receipt Date:** 03/18/2022
COA MSC Issued Date: 03/31/2022


Microbiological Examination - Pinnrz
USP (<61>, <62>, <2023>) EP (2.6.12; 2.6.13; 5.1.8) Harmonized Method [Royalmount Laboratories]

Line #	Analyte	Specification	LOQ	Results Units	Pass/Fail
1	Bile-Tolerant Gram Negative Bacteria	<10000	N/A	<100 and >10 Probable Number of Bacteria/g	Pass
2	Escherichia coli	Absent in 1g	N/A	Absent in 1g N/A	Pass
3	Salmonella	Absent in 10g	N/A	Absent in 10g N/A	Pass
4	Total Aerobic Microbial Count	<100000	N/A	135 CFU/g	Pass
5	Total Combined Yeast and Moulds Count	<10000	N/A	210 CFU/g	Pass

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