

certificate ID

2MQ29

Nature's Distribution

Rose Vape Cartridge CAAE04333

7USC1639 Certificate of Analysis



LOT# RO2234MM-ND

issue date 12/25/22 1:32 PM

Stillwater Laboratories

15783 order

total cannabinoids 62.19%

total THC‡ 0.23%
total CBD‡ 48.82%

Incoming Inspection MSP-7.5.1.2

DESCRIPTION: Vape cartridge sample received 12/22/2022 11:40:41 AM in a METRC-labeled cardboard box, by commercial courier per Method 7.3.1.1. and as described in the Montana METRC Lab User Guide. Labeled LOT.

Potency MSP-7.5.1.4

Table with columns: total cannabinoids, total THC (decarbed), total THC (THC+THCa), total CBD (decarbed), total CBD (CBD+CBDA), tetrahydrocannabinolic acid (THCa), Δ9-tetrahydrocannabinol (Δ9 THC), Δ8-tetrahydrocannabinol (Δ8 THC)\*, tetrahydrocannabivarin (THCv), cannabidiolic acid (CBDA), cannabidiol (CBD), cannabidivarin (CBDv), cannabigerolic acid (CBGA), cannabigerol (CBG), cannabiol (CBN), cannabichromene (CBC). Includes LOD, LOQ, and error values.

Terpenes MSP-7.5.1.6

Table with columns: total terpenes, linalool, β-myrcene, D-limonene, α-pinene, β-pinene, ocimene, terpinolene, α-humulene, β-caryophyllene, α-bisabolol, camphene, Δ3-carene, caryophyllene oxide, para-cymene, eucalyptol, geraniol, guaiaol, isopulegol, cis-nerolidol, trans-nerolidol, α-terpinene. Includes LOD, LOQ, and error values.

0.000 0.160 0.320 0.480 0.640



0.000 0.160 0.320 0.480 0.640

Pass / Fail Criteria

Microbial MSP-7.5.1.10b not required / not requested

Pesticides MSP-7.5.1.8 not required / not requested

Mycotoxins MSP-7.5.1.8 not required / not requested

Moisture MSP-7.5.1.3 not required / not requested

Metals MSP-7.5.1.7 not required / not requested

Solvents MSP-7.5.1.7

FAIL: no failures
PASS: Acetone, Acetonitrile, Benzene, Butane, Chloroform, Cyclohexane, Ethanol, Ethyl acetate, Heptane, Hexane, Isopropyl alcohol, Methanol, Pentane, Propane, Toluene, Xylenes

Certified by:



https://customer.a2la.org/index.cfm?event=directory.detail&labPID=423635B2-5128-4C6F-871A-419DCF43B0D7

Stillwater Laboratories Inc. MT License L100060-002 6073 US93N Suite 5, Olney MT 59927 Ph 406-881-2019. www.stwllabs.com

These results are only valid for the samples tested. Potency (cannabinoid concentration) is calculated as: [cannabinoid] = [cannabinoid]HPLC x volume dilution / m dry. Decarboxyated cannabinoid concentration is calculated XXXtotal = 0.877 x XXXa + XXX. Standards are used to calibrate the resulting data and estimate error using a standard estimate of error method; LOD is the limit of detection (3.3s), LOQ is the limit of quantification (3xLOD), and experimental error is calculated from weighing, dilution, and interpolation error using the formula s9^2 = Σ (df/di)^2 s9^2 where i is the contributor to error. The 95% confidence range is calculated from: (concentration) ± tCL90 x S9. Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = no limit, NA = not applicable. ‡ = decarbed, \* = analyte is off-scope.

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

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**2MQ29**



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**Rose Vape Cartridge CAAE04333**

LOT# RO2234MM-ND

order 15783  
rec'd date 12/22/2022 11:40:41 AM  
issue date 12/25/2022 1:32:05 PM

**ANALYTICAL DATA**

Report Version: 1  
Analysis Location: L-100060-

Stillwater  
Laboratories

**Methods and Instruments**

MSP-7.3.1.1	BAL-05	12/22/2022	MSP-7.5.1.7	QP2020/HS20	12/23/2022	L-100060-002
MSP-7.5.1.2	YSC HD801m12	12/23/2022	MSP-7.5.1.8	LCMS8060	12/23/2022	
MSP-7.5.1.3	6MOC63u	12/23/2022	MSP-7.5.1.8	LCMS8060	12/23/2022	
MSP-7.5.1.4	LC-2030C	12/23/2022	MSP-7.5.1.10b	Aria MX	12/23/2022	
MSP-7.5.1.6	QP2020/HS20	12/23/2022	MSP-7.5.1.11	ICPMS2030	12/23/2022	

**Solvents**

MSP-7.5.1.7	limit	LOD	LOQ	error	result
Acetone	ND	3100 ppm	0.7   2.1	±2.1 ppm	PASS
Acetonitrile	ND	6 ppm	0.6   1.8	±1.8 ppm	PASS
Benzene	ND	0 ppm	0.0   0.1	±0.1 ppm	PASS
Butane	ND	5000 ppm	1.4   4.2	±4.2 ppm	PASS
Chloroform	ND	0 ppm	0.1   0.2	±0.2 ppm	PASS
Cyclohexane	ND	3880 ppm	0.5   1.6	±1.6 ppm	PASS
Ethanol	ND	5000 ppm	0.7   2.1	±2.1 ppm	PASS
Ethyl acetate	ND	5000 ppm	0.0   0.1	±0.1 ppm	PASS
Heptane	ND	5000 ppm	0.4   1.2	±1.2 ppm	PASS
Hexane	ND	70 ppm	0.5   1.6	±1.6 ppm	PASS
Isopropyl alcohol	120 ppm	320 ppm	0.6   1.9	±5.0 ppm	PASS
Methanol	ND	400 ppm	0.5   1.6	±1.6 ppm	PASS
Methylene chloride	NT	0 ppm			NA
Pentane	ND	5000 ppm	0.2   0.6	±0.6 ppm	PASS
Propane	ND	5000 ppm	0.5   1.6	±1.6 ppm	PASS
Toluene	ND	30 ppm	0.3   0.9	±0.9 ppm	PASS
Xylenes	ND	10 ppm	0.3   1.0	±1.0 ppm	PASS

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**These results are only valid for the samples tested.** • Standards are used to calibrate the resulting data and estimate error using a standard estimate of error method; LOD is the limit of detection (3.3s), LOQ is the limit of quantification (3xLOD), and experimental error is calculated from weighing, dilution, and interpolation error using the formula  $s_g^2 = \sum (\partial f/\partial i)^2 s_i^2$  where i is the contributor to error. The 95% confidence range is calculated from: (concentration) ±  $t_{CL90} \times s_g$ . Sampling error is not considered in error calculations. ND = not detected (< LOD), NT = not tested, NL = no limit, NA = not applicable.

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