



TRU Infusion/Natures Wonder
AZ
85022
License #: 00000060DCIS00424661
Sample ID: 2310SMAZ0234.0721
Batch #: 218NW1023



CERTIFICATE OF ANALYSIS

License #: 00000020LCVT89602592

Certificate: 1318

Distillate 218NW1023

Batch #: 218NW1023

Strain: Raw

Parent Batch #:

Sample Collected: 10/30/2023 11:50:00

Published: 11/03/2023

Sample ID: 2310SMAZ0234.0721

Amount Received: 11 g

Sample Type: Distillate

Received: 10/30/2023



COMPLIANCE FOR RETAIL

Regulated Analytes

Cannabinoid Profile (Q3)

Tested

Microbial Contaminants

Pass

Residual Solvents

Pass

91.715%

Total THC

Pesticides, Fungicides,
and Growth Regulators

Pass

Mycotoxins

Pass

Heavy Metals

Pass

0.295%

Total CBD

Additional Analytes (Not Regulated)

Terpenes Total (Q3)

Tested

Moisture Analysis (Q3)

Not Tested

Water Activity (Q3)

Not Tested

0.399%

CBN

Filth & Foreign (Q3)

Not Tested

Homogeneity (Q3)

Not Tested

2.204%

CBG

95.489%

Total Cannabinoids (Q3)

Ahmed Munshi

Technical Laboratory Director

Smithers CTS Arizona LLC
734 W Highland Avenue, 2nd Floor
Phoenix, AZ 85013
(602) 806-6930



Accreditation #: 103104

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Cannabinoid Profile

HPLC

Tested

Sample Prep

Batch Date: 10/31/2023
SOP: 418.AZ
Batch Number: 267

Sample Analysis

Date: 11/03/2023
SOP: 417.AZ - HPLC
Sample Weight: 0.043 g
Volume: 40 mL

Analyte	LOD (mg/g)	LOQ (mg/g)	Dil.	Actual % (w/w)	mg/g	Qualifier
CBC	0.300	0.909	1	0.289	2.895	
CBD	0.300	0.909	1	0.295	2.949	
CBDA	0.300	0.909	1	ND	ND	
CBDV	0.300	0.909	1	ND	ND	
CBG	0.300	0.909	1	2.204	22.035	
CBGA	0.300	0.909	1	ND	ND	
CBN	0.300	0.909	1	0.399	3.994	
d8-THC	0.300	0.909	1	ND	ND	
d9-THC	0.300	0.909	1	91.715	917.145	
THCA	0.300	0.909	1	<LOQ	<LOQ	
THCV	0.300	0.909	1	0.587	5.868	

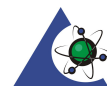
Cannabinoid Totals	Actual % (w/w)	mg/g	Qualifier
Total THC	91.715	917.145	
Total CBD	0.295	2.949	
Total Cannabinoids	95.489	954.887	Q3

Total THC = THC + (0.877 x THCA) and Total CBD = CBD + (0.877 x CBDA)
ND = Not Detected, NT = Not Tested, <LOQ = Below Limit of Quantitation

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Terpene Total

GC-FID

Tested (ND)

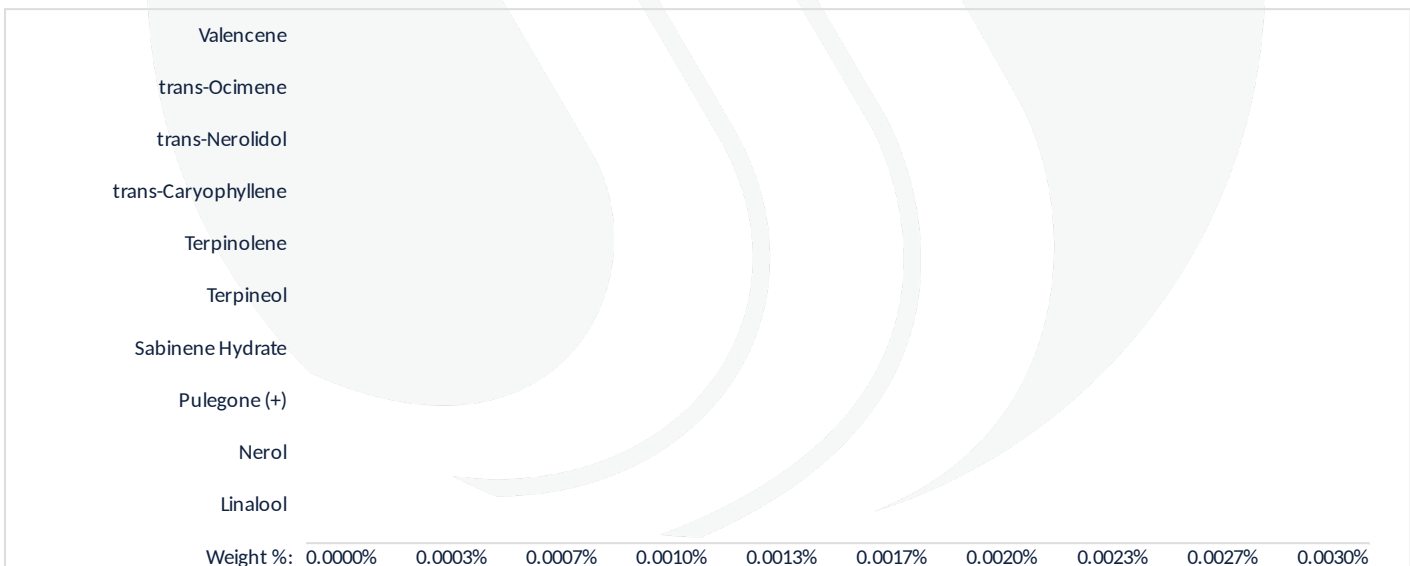
Sample Prep

Batch Date: 10/31/2023
SOP: 419
Batch Number: 266

Sample Analysis

Date: 11/03/2023
SOP: 419 - GC-FID
Sample Weight: 0.410 g
Volume: 10 mL

Analyte	LOD / LOQ (%)	Dil.	Results (%)	Qualifier	Analyte	LOD / LOQ (%)	Dil.	Results (%)	Qualifier
alpha-Bisabolol	0.0010 / 0.0029	1	ND	Q3	gamma-Terpinene	0.0010 / 0.0029	1	ND	Q3
alpha-Cedrene	0.0010 / 0.0029	1	ND	Q3	Geraniol	0.0010 / 0.0029	1	ND	Q3
alpha-Humulene	0.0010 / 0.0029	1	ND	Q3	Geranyl acetate	0.0010 / 0.0029	1	ND	Q3
alpha-Phellandrene	0.0010 / 0.0029	1	ND	Q3	Guaiol	0.0010 / 0.0029	1	ND	Q3
alpha-Pinene	0.0010 / 0.0029	1	ND	Q3	Hexahydrothymol	0.0010 / 0.0029	1	ND	Q3
alpha-Terpinene	0.0010 / 0.0029	1	ND	Q3	Isoborneol	0.0010 / 0.0029	1	ND	Q3
beta-Myrcene	0.0010 / 0.0029	1	ND	Q3	Isopulegol	0.0010 / 0.0029	1	ND	Q3
beta-Pinene	0.0010 / 0.0029	1	ND	Q3	Limonene	0.0010 / 0.0029	1	ND	Q3
Borneol	0.0010 / 0.0029	1	ND	Q3	Linalool	0.0010 / 0.0029	1	ND	Q3
Camphene	0.0010 / 0.0029	1	ND	Q3	Nerol	0.0010 / 0.0029	1	ND	Q3
Camphor	0.0010 / 0.0029	1	ND	Q3	Pulegone (+)	0.0010 / 0.0029	1	ND	Q3
3-Carene	0.0010 / 0.0029	1	ND	Q3	Sabinene Hydrate	0.0010 / 0.0029	1	ND	Q3
Caryophyllene oxide	0.0010 / 0.0029	1	ND	Q3	Terpineol	0.0010 / 0.0029	1	ND	Q3
Cedrol	0.0010 / 0.0029	1	ND	Q3	Terpinolene	0.0010 / 0.0029	1	ND	Q3
cis-Nerolidol	0.0010 / 0.0029	1	ND	Q3	trans-Caryophyllene	0.0010 / 0.0029	1	ND	Q3
cis-Ocimene	0.0010 / 0.0029	1	ND	Q3	trans-Nerolidol	0.0010 / 0.0029	1	ND	Q3
Fenchyl alcohol	0.0010 / 0.0029	1	ND	Q3	trans-Ocimene	0.0010 / 0.0029	1	ND	Q3
Eucalyptol	0.0010 / 0.0029	1	ND	Q3	Valencene	0.0010 / 0.0029	1	ND	Q3
Fenchone	0.0010 / 0.0029	1	ND	Q3					



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Microbial Analysis

Pass

Sample Prep

Batch Date: 10/31/2023
SOP: 431.AZ
Batch Number: 274

Sample Analysis

Date: 11/03/2023
SOP: 431.AZ - TEMPO (MPN)
Sample Weight: 1.019 g

Analyte	Allowable Criteria	Actual Result	Pass/Fail	Qualifier
E. coli	< 100 CFU/g	< 10 CFU/g	Pass	

Sample Prep

Batch Date: 10/31/2023
SOP: 406.AZ
Batch Number: 271

Sample Analysis

Date: 11/03/2023
SOP: 406.AZ - qPCR (MG)
Sample Weight: 1.023 g

Analyte	Allowable Criteria	Actual Result	Pass/Fail	Qualifier
Salmonella	Not Detected in One Gram	Not Detected in One Gram	Pass	

Sample Prep

Batch Date: 10/31/2023
SOP: 406.AZ
Batch Number: 271

Sample Analysis

Date: 11/03/2023
SOP: 406.AZ - qPCR (MG)
Sample Weight: 1.023 g

Analyte	Allowable Criteria	Actual Result	Pass/Fail	Qualifier
Aspergillus flavus	Not Detected in One Gram	Not Detected in One Gram	Pass	
Aspergillus fumigatus	Not Detected in One Gram	Not Detected in One Gram	Pass	
Aspergillus niger	Not Detected in One Gram	Not Detected in One Gram	Pass	
Aspergillus terreus	Not Detected in One Gram	Not Detected in One Gram	Pass	

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Residual Solvents

HS-GC-MS

Pass

Sample Prep

Batch Date: 10/30/2023
SOP: 405.AZ
Batch Number: 256

Sample Analysis

Date: 11/03/2023
SOP: 405.AZ - HS-GC-MS
Sample Weight: 0.051 g

Analyte	LOD / LOQ (ppm)	Dil.	Action Limit (ppm)	Results (ppm)	Qualifier	Analyte	LOD / LOQ (ppm)	Dil.	Action Limit (ppm)	Results (ppm)	Qualifier
Acetone	65 / 196	1	1000	ND		Heptane	327 / 980	1	5000	ND	
Acetonitrile	27 / 80	1	410	ND		Hexanes	47 / 142	1	290	ND	
Benzene	0.14 / 0.39	1	2	ND		Isopropyl acetate	327 / 980	1	5000	ND	
Butanes	163 / 490	1	5000	ND		Methanol	196 / 588	1	3000	ND	
Chloroform	4 / 12	1	60	ND		Pentanes	327 / 980	1	5000	ND	
Dichloromethane	39 / 118	1	600	ND		2-Propanol (IPA)	327 / 980	1	5000	ND	
Ethanol	327 / 980	1	5000	ND		Toluene	59 / 175	1	890	ND	
Ethyl acetate	327 / 980	1	5000	ND		Xylenes	284 / 851	1	2170	ND	
Ethyl ether	327 / 980	1	5000	ND							

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Heavy Metals

ICP-MS **Pass**

Sample Prep

Batch Date: 11/01/2023
SOP: 428.AZ
Batch Number: 276

Sample Analysis

Date: 11/03/2023
SOP: 428.AZ - ICP-MS
Sample Weight: 0.215 g
Volume: 6 mL

Analyte	LOD (ppm)	LOQ (ppm)	Dil.	Action Limit (ppm)	Results (ppm)	Qualifier
Arsenic	0.019	0.186	10	0.4	ND	
Cadmium	0.019	0.186	10	0.4	ND	
Lead	0.019	0.465	10	1	ND	
Mercury	0.019	0.093	10	0.2	ND	

Mycotoxin Analysis

LC-MS/MS **Pass**

Sample Prep

Batch Date: 10/31/2023
SOP: 432.AZ
Batch Number: 268

Sample Analysis

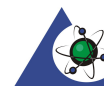
Date: 11/03/2023
SOP: 424.AZ - LC-MS/MS
Sample Weight: 0.576 g
Volume: 12.5 mL

Analyte	LOD (ppb)	LOQ (ppb)	Dil.	Action Limit (ppb)	Results (ppb)	Qualifier
Total Aflatoxins	3.47	8.68	1	20	ND	R1 V1
Aflatoxin B1	3.47	9.09	1	0	ND	R1
Aflatoxin B2	3.47	9.09	1	0	ND	I1
Aflatoxin G1	3.47	9.09	1	0	ND	V1
Aflatoxin G2	3.47	4.55	1	0	ND	R1 V1
Ochratoxin A	8.68	9.09	1	20	ND	I1

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Pesticides, Fungicides, and Growth Regulators

LC-MS/MS Pass

Sample Prep

Batch Date: 10/31/2023
SOP: 432.AZ
Batch Number: 268

Sample Analysis

Date: 11/03/2023
SOP: 424.AZ - LC-MS/MS
Sample Weight: 0.576 g
Volume: 12.5 mL

Analyte	LOD / LOQ (ppm)	Dil.	Action Limit (ppm)	Results (ppm)	Qualifier	Analyte	LOD / LOQ (ppm)	Dil.	Action Limit (ppm)	Results (ppm)	Qualifier
Abamectin B1a	0.072 / 0.217	1	0.5	ND	L1 V1	Hexythiazox	0.145 / 0.434	1	1	ND	M2
Acephate	0.058 / 0.174	1	0.4	ND		Imazalil	0.029 / 0.087	1	0.2	ND	V1
Acetamiprid	0.029 / 0.087	1	0.2	ND	V1	Imidacloprid	0.058 / 0.174	1	0.4	ND	V1
Aldicarb	0.058 / 0.174	1	0.4	ND		Kresoxim-methyl	0.058 / 0.174	1	0.4	ND	
Azoxystrobin	0.029 / 0.087	1	0.2	ND		Malathion	0.029 / 0.087	1	0.2	ND	
Bifenazate	0.029 / 0.087	1	0.2	ND		Metaxyl	0.029 / 0.087	1	0.2	ND	V1
Bifenthrin	0.029 / 0.087	1	0.2	ND	V1	Methiocarb	0.029 / 0.087	1	0.2	ND	L1 M2
Boscalid	0.058 / 0.174	1	0.4	ND	M2 V1	Methomyl	0.058 / 0.174	1	0.4	ND	V1
Carbaryl	0.029 / 0.087	1	0.2	ND		Myclobutanil	0.029 / 0.087	1	0.2	ND	
Carbofuran	0.029 / 0.087	1	0.2	ND	V1	Naled	0.072 / 0.217	1	0.5	ND	
Chlorantraniliprole	0.029 / 0.087	1	0.2	ND	L1 V1	Oxamyl	0.145 / 0.434	1	1	ND	V1
Chlorfenapyr	0.145 / 0.434	1	1	ND	I1, M2 V1	Paclobutrazol	0.058 / 0.174	1	0.4	ND	L1 V1
Chlorpyrifos	0.029 / 0.087	1	0.2	ND	M2	Permethrins	0.029 / 0.087	1	0.2	ND	M2 V1
Clofentezine	0.029 / 0.087	1	0.2	ND	M2 V1	Phosmet	0.029 / 0.087	1	0.2	ND	V1
Cyfluthrin	0.145 / 0.434	1	1	ND	M2 V1	Piperonyl Butoxide	0.289 / 0.868	1	2	ND	V1
Cypermethrin	0.145 / 0.434	1	1	ND	M2 V1	Prallethrin	0.029 / 0.087	1	0.2	ND	V1
Daminozide	0.145 / 0.434	1	1	ND		Propiconazole	0.058 / 0.174	1	0.4	ND	V1
Diazinon	0.029 / 0.087	1	0.2	ND		Propoxur	0.029 / 0.087	1	0.2	ND	
Dichlorvos	0.015 / 0.043	1	0.1	ND		Pyrethrins	0.121 / 0.364	1	1	ND	V1
Dimethoate	0.029 / 0.087	1	0.2	ND		Pyridaben	0.029 / 0.087	1	0.2	ND	V1
Ethoprophos	0.029 / 0.087	1	0.2	ND		Spinosad	0.029 / 0.087	1	0.2	ND	V1
Etofenprox	0.058 / 0.174	1	0.4	ND	V1	Spiromesifen	0.029 / 0.087	1	0.2	ND	V1
Etoxazole	0.029 / 0.087	1	0.2	ND	V1	Spirotetramat	0.029 / 0.087	1	0.2	ND	M2 V1
Fenoxycarb	0.029 / 0.087	1	0.2	ND	V1	Spiroxamine	0.058 / 0.174	1	0.4	ND	V1
Fenpyroximate	0.058 / 0.174	1	0.4	ND	V1	Tebuconazole	0.058 / 0.174	1	0.4	ND	M2 V1
Fipronil	0.058 / 0.174	1	0.4	ND	M1 V1	Thiacloprid	0.029 / 0.087	1	0.2	ND	M2 V1
Fonicamid	0.145 / 0.434	1	1	ND		Thiamethoxam	0.029 / 0.087	1	0.2	ND	
Fludioxonil	0.058 / 0.174	1	0.4	ND	M2	Trifloxystrobin	0.029 / 0.087	1	0.2	ND	

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Qualifier Legend

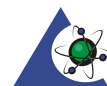
- B1** The target analyte detected in the calibration is at or above the limit of quantitation, but the sample result for potency testing, is below the limit of quantitation.
- B2** The target analyte detected in the calibration blank, or the method blank is at or above the limit of quantitation, but the sample result when testing for pesticides, fungicides, herbicides, growth regulators, heavy metals, or residual solvents, is below the maximum allowable concentration for the analyte.
- D1** The limit of quantitation and the sample results were adjusted to reflect sample dilution.
- I1** The relative intensity of a characteristic ion in a sample analyte exceeded the acceptance with respect to the reference spectra, indicating interference.
- L1** When testing for pesticides, fungicides, herbicides, growth regulators, heavy metals, or residual solvents, the percent recovery of a laboratory control sample is greater than the acceptance limits, but the sample's target analytes were not detected above the maximum allowable concentrations for the analytes in the sample.
- M1** The recovery from the matrix spike was high, but the recovery from the laboratory control sample was within acceptance criteria.
- M2** The recovery from the matrix spike was low, but the recovery from the laboratory control sample was within acceptance criteria.
- M3** The recovery from the matrix spike was unusable because the analyte concentration was disproportionate to the spike level, but the recovery from the laboratory control sample was within acceptance criteria.
- M4** The analysis of a spiked sample required a dilution such that the spike recovery calculation does not provide useful information, but the recovery from the associated laboratory control sample was within acceptance criteria.
- M5** The analyte concentration was determined by the method of standard addition, in which the standard is added directly to the aliquots of the analyzed sample.
- M6** A description of the variance is described in the final report of testing according to R9-17-404.06(B)(3)(d)(ii).
- Q1** Sample integrity was not maintained.
- Q2** The sample is heterogeneous, and sample homogeneity could not be readily achieved using routine laboratory practices.
- Q3** Testing result is for informational purposes only and cannot be used to satisfy dispensary testing requirements in R9-17-317.01(A) or labeling requirements in R9-17-317.
- R1** The relative percent difference for the laboratory control sample and duplicate exceeded the limit, but the recovery was within acceptance criteria.
- R2** The relative percent difference for a sample and duplicate exceeded the limit.
- V1** The recovery from continuing calibration verification standards exceeded the acceptance limits, but the sample's target analytes were not detected above the maximum allowable for the analytes in the sample.

Notes:

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