



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) <b>Tested</b>	Microbial Contaminants <b>Pass</b>	Residual Solvents <b>Pass</b>
Pesticides, Fungicides, and Growth Regulators <b>Pass</b>	Mycotoxins <b>Pass</b>	Heavy Metals <b>Pass</b>

### Additional Analytes (Not Regulated)

Terpenes Total (Q3) <b>Tested</b>	Moisture Analysis (Q3) <b>Not Tested</b>	Water Activity (Q3) <b>Not Tested</b>
Filth & Foreign (Q3) <b>Not Tested</b>	Homogeneity (Q3) <b>Not Tested</b>	

<b>91.715%</b> Total THC
<b>0.295%</b> Total CBD
<b>0.399%</b> CBN
<b>2.204%</b> CBG
<b>95.489%</b> Total Cannabinoids (Q3)

Ahmed Munshi  
 Technical Laboratory Director

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



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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)

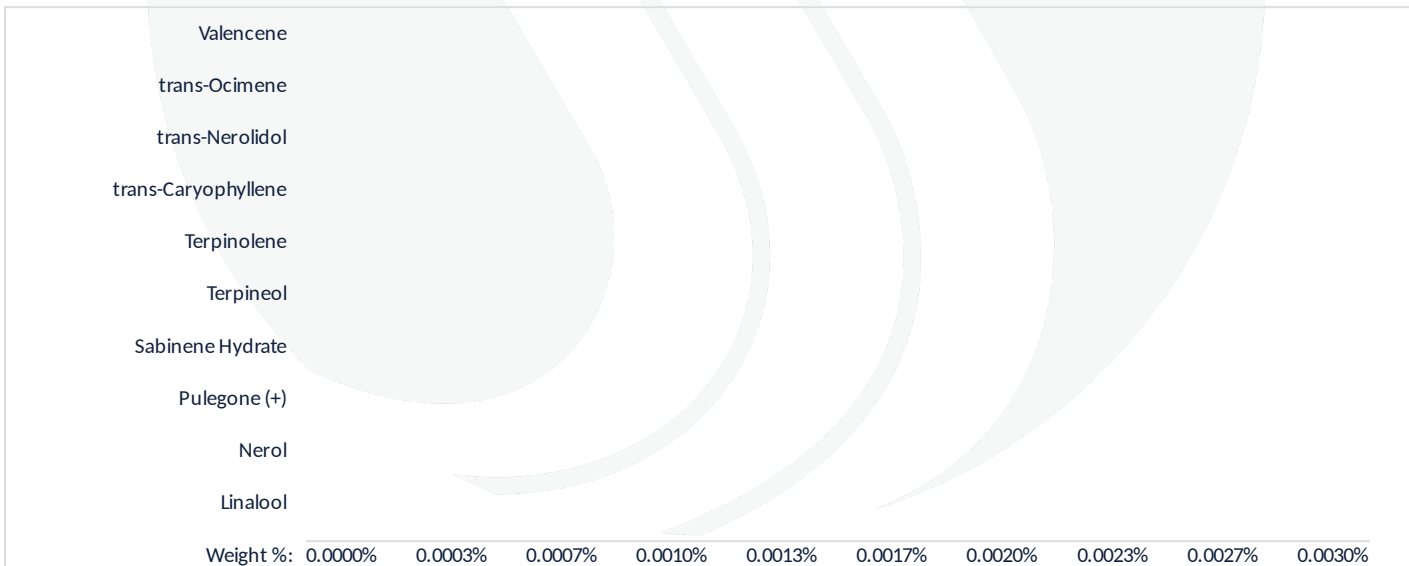
**Sample Prep**

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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Accreditation #: 103104

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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	R1V1
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	R1V1
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**

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 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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