

## 4JBZ16-A

BioTrack Lot ID: 4428 8080 4290 4503

**Sample ID: 2411ANSCT0060.0367**

Strain: Blue Zushi  
Plant, Flower - Cured, Blue Zushi Flower, ,

Produced:  
Completed: 11/20/2024  
Expiration: 11/21/2025  
Batch ID:

Client  
**Affinity Grow**  
Lic. # ACME.0008473  
47 Lower Main St  
Portland, CT 06480

Sample Size: 23.6 g

COC #: 2411ANSCT0060; Number of Servings: ; Growth Material: ; Extraction Solvent: ; Remediated: ; Revision Notes: ; Amended: No; Sample Condition: Intact;



### Summary

| Test           | Date Tested | Result             |
|----------------|-------------|--------------------|
| Batch          |             | Pass               |
| Cannabinoids   | 11/21/2024  | Complete           |
| Moisture       | 11/14/2024  | 12% - Complete     |
| Water Activity | 11/15/2024  | 0.53 aw - Complete |
| Terpenes       | 11/16/2024  | Complete           |
| Microbials     | 11/13/2024  | Pass               |
| Mycotoxins     | 11/13/2024  | Pass               |
| Pesticides     | 11/14/2024  | Pass               |
| Heavy Metals   | 11/18/2024  | Pass               |

Moisture Entered By: 008  
Instrument ID: MA-1  
Moisture analyzed per SOP-004

Water Activity Entered By: 008  
Instrument ID: WA-1  
Water Activity analyzed per SOP-020. NT= Not Tested, NR = Not Reported.

### Cannabinoids

Complete

|               |           |                    |
|---------------|-----------|--------------------|
| <b>23.41%</b> | <b>ND</b> | <b>23.41%</b>      |
| Total THC     | Total CBD | Total Cannabinoids |

| Analyte                             | LOD     | LOQ     | Result        | Result         | Qualifiers |
|-------------------------------------|---------|---------|---------------|----------------|------------|
|                                     | %       | %       | %             | mg/g           |            |
| THCa                                | 0.00003 | 0.00010 | 22.400        | 224.000        |            |
| Δ9-THC                              | 0.00003 | 0.00010 | 1.010         | 10.100         |            |
| Δ8-THC                              | 0.00005 | 0.00010 | ND            | ND             |            |
| THCVa                               | 0.00001 | 0.00010 | ND            | ND             |            |
| THCV                                | 0.00003 | 0.00010 | ND            | ND             |            |
| CBDa                                | 0.00002 | 0.00010 | ND            | ND             |            |
| CBD                                 | 0.00002 | 0.00010 | ND            | ND             |            |
| CBDVa                               | 0.00001 | 0.00010 | ND            | ND             |            |
| CBDV                                | 0.00001 | 0.00010 | ND            | ND             |            |
| CBNa                                | 0.00007 | 0.00010 | ND            | ND             |            |
| CBN                                 | 0.00002 | 0.00010 | ND            | ND             |            |
| CBGa                                | 0.00003 | 0.00010 | ND            | ND             |            |
| CBG                                 | 0.00004 | 0.00010 | ND            | ND             |            |
| CBCa                                | 0.00006 | 0.00010 | ND            | ND             |            |
| CBC                                 | 0.00004 | 0.00010 | ND            | ND             |            |
| CBL                                 | 0.00007 | 0.00010 | ND            | ND             |            |
| CBT                                 | 0.00003 | 0.00010 | ND            | ND             |            |
| <b>Total Available THC</b>          |         |         | <b>23.409</b> | <b>234.093</b> |            |
| <b>Total Active THC</b>             |         |         | <b>20.654</b> | <b>206.541</b> |            |
| <b>Total Available CBD</b>          |         |         | <b>ND</b>     | <b>ND</b>      |            |
| <b>Total Active CBD</b>             |         |         | <b>ND</b>     | <b>ND</b>      |            |
| <b>Total Available Cannabinoids</b> |         |         | <b>23.409</b> | <b>234.093</b> |            |
| <b>Total Active Cannabinoids</b>    |         |         | <b>20.654</b> | <b>206.541</b> |            |

Entered by: 5; Instrument ID: 2; Date Tested: 11/21/2024;

Cannabinoids analyzed by SOP-009. LOD= Limit of Detection, LOQ = Limit of Quantitation, ND = Not Detected. Total Available THC = Δ9-THC + THCa. Total Active THC = Δ9-THC + (THCa0.877). Total Available CBD = CBD + CBDA. Total Active CBD = CBD + (CBDA0.877). Total Active Cannabinoids = THCa0.877+ Δ9 THC+ Δ8 THC+ THCVa0.867+ THCV+ CBDA 0.877 + CBD+ CBDV+ CBDVA 0.867+ CBNA0.876+ CBN + CBGA0.878+ CBG + CBCA\*0.877+CBC+ CBL+ CBT. Total Available Cannabinoids = sum of all detected cannabinoids.





Ryan Picard  
Lab Director  
11/21/2024

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Sample Size: 23.6 g

COC #: 2411ANSCT0060; Number of Servings: ; Growth Material: ; Extraction Solvent: ; Remediated: ; Revision Notes: ; Amended: No; Sample Condition: Intact;

## Terpenes

| Analyte             | CAS # | LOD     | LOQ    | Result      | Result       | Qualifiers  |
|---------------------|-------|---------|--------|-------------|--------------|-------------|
|                     |       | %       | %      | %           | mg/g         |             |
| β-Myrcene           |       | 0.00004 | 0.0005 | 0.18        | 1.782        | <div></div> |
| β-Caryophyllene     |       | 0.00003 | 0.0005 | 0.17        | 1.750        | <div></div> |
| Linalool            |       | 0.00002 | 0.0005 | 0.14        | 1.352        | <div></div> |
| Nerolidol           |       |         | 0.0005 | 0.12        | 1.199        | <div></div> |
| Limonene            |       | 0.00004 | 0.0005 | 0.09        | 0.876        | <div></div> |
| β-Farnesene         |       | 0.00010 | 0.0005 | 0.06        | 0.565        | <div></div> |
| α-Humulene          |       | 0.00003 | 0.0005 | 0.05        | 0.538        | <div></div> |
| β-Pinene            |       | 0.00002 | 0.0005 | 0.03        | 0.336        | <div></div> |
| α-Terpineol         |       | 0.00004 | 0.0005 | 0.03        | 0.289        | <div></div> |
| Fenchol             |       | 0.00002 | 0.0005 | 0.02        | 0.242        | <div></div> |
| Geranyl Acetate     |       | 0.00002 | 0.0005 | 0.02        | 0.240        | <div></div> |
| α-Pinene            |       | 0.00004 | 0.0005 | 0.02        | 0.172        | <div></div> |
| 2-Piperidone        |       | 0.00003 | 0.0005 | ND          | ND           |             |
| 3-Carene            |       | 0.00003 | 0.0005 | ND          | ND           |             |
| α-Bisabolol         |       | 0.00007 | 0.0005 | ND          | ND           |             |
| α-Cedrene           |       | 0.00002 | 0.0004 | ND          | ND           |             |
| α-Phellandrene      |       | 0.00003 | 0.0005 | ND          | ND           |             |
| α-Terpinene         |       | 0.00002 | 0.0005 | ND          | ND           |             |
| alpha-Thujone       |       | 0.00002 | 0.0005 | ND          | ND           |             |
| β-Cedrene           |       | 0.00012 | 0.0001 | ND          | ND           |             |
| Borneol             |       | 0.00002 | 0.0005 | ND          | ND           |             |
| Camphene            |       | 0.00007 | 0.0005 | ND          | ND           |             |
| Camphor             |       | 0.00001 | 0.0005 | ND          | ND           |             |
| Carvacrol           |       | 0.00013 | 0.0005 | ND          | ND           |             |
| Carvone             |       | 0.00003 | 0.0005 | ND          | ND           |             |
| Caryophyllene Oxide |       | 0.00010 | 0.0005 | ND          | ND           |             |
| Cedrol              |       | 0.00003 | 0.0005 | ND          | ND           |             |
| cis-Ocimene         |       | 0.00004 | 0.0001 | ND          | ND           |             |
| <b>Total</b>        |       |         |        | <b>0.93</b> | <b>9.340</b> |             |

## Primary Aromas

|                                                                                             |                                                                                                 |                                                                                                 |                                                                                                |                                                                                                 |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <br>Hops | <br>Cinnamon | <br>Lavender | <br>Apple | <br>Orange |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|

Entered by: 007

Instrument ID: GCMS-1

Date Tested: 11/16/2024

LOD= Limit of Detection, LOQ = Limit of Quantitation. Terpenes analyzed by SOP-010. Nerolidol = Sum of Cis and Trans-Nerolidol.




Ryan Picard  
 Lab Director  
 11/21/2024

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 Plant, Flower - Cured, Blue Zushi Flower, ,

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 Expiration: 11/21/2025  
 Batch ID:

Client  
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 Lic. # ACME.0008473  
 47 Lower Main St  
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Sample Size: 23.6 g

COC #: 2411ANSCT0060; Number of Servings: ; Growth Material: ; Extraction Solvent: ; Remediated: ; Revision Notes: ; Amended: No; Sample Condition: Intact;

## Terpenes

| Analyte           | CAS # | LOD     | LOQ    | Result      | Result       | Qualifiers |
|-------------------|-------|---------|--------|-------------|--------------|------------|
|                   |       | %       | %      | %           | mg/g         |            |
| Citral            |       | 0.00002 | 0.0005 | ND          | ND           |            |
| Eucalyptol        |       | 0.00003 | 0.0005 | ND          | ND           |            |
| Fenchone          |       | 0.00002 | 0.0005 | ND          | ND           |            |
| γ-Terpinene       |       | 0.00002 | 0.0005 | ND          | ND           |            |
| Geraniol          |       | 0.00003 | 0.0005 | ND          | ND           |            |
| Isoborneol        |       | 0.00002 | 0.0005 | ND          | ND           |            |
| Isobornyl Acetate |       | 0.00002 | 0.0005 | ND          | ND           |            |
| m-Cymene          |       | 0.00002 | 0.0005 | ND          | ND           |            |
| Menthone          |       | 0.00003 | 0.0005 | ND          | ND           |            |
| Nerol             |       | 0.00004 | 0.0005 | ND          | ND           |            |
| Nootkatone        |       | 0.00011 | 0.0005 | ND          | ND           |            |
| o-Cymene          |       | 0.00003 | 0.0005 | ND          | ND           |            |
| (-)-Isopulegol    |       | 0.00002 | 0.0005 | ND          | ND           |            |
| (-)-Guaiol        |       | 0.00006 | 0.0005 | ND          | ND           |            |
| Phytane           |       | 0.00002 | 0.0005 | ND          | ND           |            |
| Piperitone        |       | 0.00003 | 0.0005 | ND          | ND           |            |
| Pulegone          |       | 0.00002 | 0.0005 | ND          | ND           |            |
| p-Cymene          |       | 0.00003 | 0.0005 | ND          | ND           |            |
| Sabinene          |       | 0.00003 | 0.0005 | ND          | ND           |            |
| Sabinene Hydrate  |       | 0.00001 | 0.0005 | ND          | ND           |            |
| Safranal          |       | 0.00001 | 0.0005 | ND          | ND           |            |
| Terpinolene       |       | 0.00002 | 0.0005 | ND          | ND           |            |
| Thymol            |       | 0.00005 | 0.0005 | ND          | ND           |            |
| trans-Ocimene     |       | 0.00005 | 0.0004 | ND          | ND           |            |
| Valencene         |       | 0.00002 | 0.0005 | ND          | ND           |            |
| <b>Total</b>      |       |         |        | <b>0.93</b> | <b>9.340</b> |            |

## Primary Aromas

|                                                                                             |                                                                                                 |                                                                                                 |                                                                                                |                                                                                                 |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <br>Hops | <br>Cinnamon | <br>Lavender | <br>Apple | <br>Orange |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|

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COC #: 2411ANSCT0060; Number of Servings: ; Growth Material: ; Extraction Solvent: ; Remediated: ; Revision Notes: ; Amended: No; Sample Condition: Intact;

## Pesticides

Pass

| Analyte             | LOD    | LOQ | Limit | Result | Status | Analyte                 | LOD    | LOQ | Limit | Result | Status |
|---------------------|--------|-----|-------|--------|--------|-------------------------|--------|-----|-------|--------|--------|
|                     | PPB    | PPB | PPM   | PPB    |        |                         | PPB    | PPB | PPM   | PPB    |        |
| Abamectin           | 0.0270 | 5.0 | 0.10  | ND     | Pass   | Fludioxonil             | 0.0220 | 5.0 | 0.10  | ND     | Pass   |
| Acephate            | 0.0130 | 5.0 | 0.10  | ND     | Pass   | Hexythiazox             | 0.0150 | 5.0 | 0.10  | ND     | Pass   |
| Acequinocyl         | 0.0100 | 5.0 | 0.10  | ND     | Pass   | Imazalil                | 0.0120 | 5.0 | 0.10  | ND     | Pass   |
| Acetamiprid         | 0.0110 | 5.0 | 0.10  | ND     | Pass   | Imidacloprid            | 0.0110 | 5.0 | 5.00  | ND     | Pass   |
| Aldicarb            | 0.0130 | 5.0 | 0.10  | ND     | Pass   | Kresoxim Methyl         | 0.0150 | 5.0 | 0.10  | ND     | Pass   |
| Azoxystrobin        | 0.0210 | 5.0 | 0.10  | ND     | Pass   | Malathion               | 0.0180 | 5.0 | 0.50  | ND     | Pass   |
| Bifenazate          | 0.0270 | 5.0 | 0.10  | ND     | Pass   | Metalaxyl               | 0.0160 | 5.0 | 2.00  | ND     | Pass   |
| Bifenthrin          | 0.0280 | 5.0 | 3.00  | ND     | Pass   | Methiocarb              | 0.0180 | 5.0 | 0.10  | ND     | Pass   |
| Boscalid            | 0.0110 | 5.0 | 0.10  | ND     | Pass   | Methomyl                | 0.0110 | 5.0 | 1.00  | ND     | Pass   |
| Captan              | 0.0900 | 5.0 | 0.70  | ND     | Pass   | Methyl Parathion        | 0.0080 | 5.0 | 0.10  | ND     | Pass   |
| Carbaryl            | 0.0110 | 5.0 | 0.50  | ND     | Pass   | Mevinphos               | 0.0080 | 5.0 | 0.10  | ND     | Pass   |
| Carbofuran          | 0.0130 | 5.0 | 0.10  | ND     | Pass   | Myclobutanil            | 0.0170 | 5.0 | 0.10  | ND     | Pass   |
| Chlorantraniliprole | 0.0120 | 5.0 | 10.00 | ND     | Pass   | Naled                   | 0.0110 | 5.0 | 0.10  | ND     | Pass   |
| Chlordane           | 0.0320 | 5.0 | 0.10  | ND     | Pass   | Oxamyl                  | 0.0110 | 5.0 | 0.50  | ND     | Pass   |
| Chlorfenapyr        | 0.0280 | 5.0 | 0.10  | ND     | Pass   | Paclobutrazol           | 0.0190 | 5.0 | 0.10  | ND     | Pass   |
| Chlorpyrifos        | 0.0270 | 5.0 | 0.10  | ND     | Pass   | Pentachloronitrobenzene | 0.0160 | 5.0 | 0.10  | ND     | Pass   |
| Clofentezine        | 0.0120 | 5.0 | 0.10  | ND     | Pass   | Permethrin              | 0.0230 | 5.0 | 0.50  | ND     | Pass   |
| Coumaphos           | 0.0090 | 5.0 | 0.10  | ND     | Pass   | Phosmet                 | 0.0100 | 5.0 | 0.10  | ND     | Pass   |
| Cyfluthrin          | 0.0170 | 5.0 | 2.00  | ND     | Pass   | Piperonyl Butoxide      | 0.0200 | 5.0 | 3.00  | ND     | Pass   |
| Cypermethrin        | 0.0230 | 5.0 | 1.00  | ND     | Pass   | Prallethrin             | 0.0150 | 5.0 | 0.10  | ND     | Pass   |
| Daminozide          | 0.0100 | 5.0 | 0.10  | ND     | Pass   | Propiconazole           | 0.0100 | 5.0 | 0.10  | ND     | Pass   |
| DDVP                | 0.0120 | 5.0 | 0.10  | ND     | Pass   | Pyrethrins              | 0.0100 | 5.0 | 0.50  | ND     | Pass   |
| Diazinon            | 0.0050 | 5.0 | 0.10  | ND     | Pass   | Pyridaben               | 0.0240 | 5.0 | 0.10  | ND     | Pass   |
| Dimethoate          | 0.0090 | 5.0 | 0.10  | ND     | Pass   | Spinetoram              | 0.0190 | 5.0 | 0.10  | ND     | Pass   |
| Dimethomorph        | 0.0140 | 5.0 | 2.00  | ND     | Pass   | Spinosad                | 0.0150 | 5.0 | 0.10  | ND     | Pass   |
| Ethoprophos         | 0.0160 | 5.0 | 0.10  | ND     | Pass   | Spiromesifen            | 0.0190 | 5.0 | 0.10  | ND     | Pass   |
| Etofenprox          | 0.0270 | 5.0 | 0.10  | ND     | Pass   | Spirotetramat           | 0.0130 | 5.0 | 0.10  | ND     | Pass   |
| Etoazole            | 0.0200 | 5.0 | 0.10  | ND     | Pass   | Spiroxamine             | 0.0110 | 5.0 | 0.10  | ND     | Pass   |
| Fenhexamid          | 0.0250 | 5.0 | 0.10  | ND     | Pass   | Tebuconazole            | 0.0230 | 5.0 | 0.10  | ND     | Pass   |
| Fenoxycarb          | 0.0160 | 5.0 | 0.10  | ND     | Pass   | Thiacloprid             | 0.0120 | 5.0 | 0.10  | ND     | Pass   |
| Fenpyroximate       | 0.0290 | 5.0 | 0.10  | ND     | Pass   | Thiamethoxam            | 0.0080 | 5.0 | 5.00  | ND     | Pass   |
| Fipronil            | 0.0190 | 5.0 | 0.10  | ND     | Pass   | Trifloxystrobin         | 0.0230 | 5.0 | 0.10  | ND     | Pass   |
| Flonicamid          | 0.0130 | 5.0 | 0.10  | ND     | Pass   |                         |        |     |       |        |        |

Entered by: 70  
Instrument ID 1: LCMS-1  
Instrument ID 2: 0  
Date Tested (LC): 11/14/2024  
Date Tested (GC):  
LOD= Limit of Detection, LOQ = Limit of Quantitation. Pesticides analyzed by SOP-008




Ryan Picard  
Lab Director  
11/21/2024

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## Microbials

Pass

| Analyte                       | Limit              | Results      | Qualifiers | Status |
|-------------------------------|--------------------|--------------|------------|--------|
|                               | CFU/g              | CFU/g        |            |        |
| Total Viable Aerobic Bacteria | 100000             | <100         |            | Pass   |
| Total Yeast & Mold            | 100000             | 400          |            | Pass   |
| E. coli                       | Not Detected in 1g | Not Detected |            | Pass   |
| Listeria monocytogenes        | Not Detected in 1g | Not Detected |            | Pass   |
| Salmonella                    | Not Detected in 1g | Not Detected |            | Pass   |
| Shiga Toxin E. Coli           | Not Detected in 1g | Not Detected |            | Pass   |
| Aspergillus flavus            | Not Detected in 1g | Not Detected |            | Pass   |
| Aspergillus fumigatus         | Not Detected in 1g | Not Detected |            | Pass   |
| Aspergillus niger             | Not Detected in 1g | Not Detected |            | Pass   |
| Aspergillus terreus           | Not Detected in 1g | Not Detected |            | Pass   |

Entered by: 009

Instrument ID: PCR-1

Date Tested: 11/13/2024

Plating of Total Aerobic bacteria, Bile-Tolerant Gram-negative bacteria, total Coliforms, and total yeast & mold are analyzed by SOP-006. Shiga Toxin-Producing Escherichia coli and Salmonella spp. are analyzed by SOP-019. Viruses analyzed by SOP-016, are non-compliant, and NOT ISO accredited. NR = Not Reported, NT = Not Tested, TNTC = Too Numerous To Count.

## Mycotoxins

Pass

| Analyte      | LOD   | LOQ   | Limit | Results | Qualifiers | Status |
|--------------|-------|-------|-------|---------|------------|--------|
|              | ug/kg | ug/kg | ug/kg | ug/kg   |            |        |
| B1           | 0.0   | 1.0   | 20.0  | ND      |            | Pass   |
| B2           | 0.0   | 1.0   | 20.0  | ND      |            | Pass   |
| G1           | 0.0   | 1.0   | 20.0  | ND      |            | Pass   |
| G2           | 0.0   | 1.0   | 20.0  | ND      |            | Pass   |
| Ochratoxin A | 0.0   | 1.0   | 20.0  | ND      |            | Pass   |

Instrument ID: LCMS-1

Date Tested: 11/13/2024

LOD = Limit of Detection, LOQ = Limit of Quantitation. Mycotoxins analyzed by SOP-013.

## Heavy Metals

Pass

| Analyte  | LOD   | LOQ   | Limit   | Results | Qualifiers | Status |
|----------|-------|-------|---------|---------|------------|--------|
|          | ug/kg | ug/kg | ug/kg   | ug/kg   |            |        |
| Arsenic  | 0.236 | 1.000 | 200.000 | ND      |            | Pass   |
| Cadmium  | 0.115 | 1.000 | 200.000 | ND      |            | Pass   |
| Chromium | 0.216 | 1.000 | 600.000 | ND      |            | Pass   |
| Lead     | 0.088 | 1.000 | 500.000 | ND      |            | Pass   |
| Mercury  | 0.188 | 0.500 | 100.000 | ND      |            | Pass   |

Entered by: 3

Instrument ID: ICPMS-1

Date Tested: 11/13/2024

LOD = Limit of Detection, LOQ = Limit of Quantitation. Heavy Metals analyzed by SOP-005




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11/21/2024

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