

## Kush Mints (Batch ID: 209KMT103024)

Sample ID: 2411APO5116.23511  
Strain: Kush Mints  
Matrix: Plant  
Type: Flower - Cured  
Source Batch #:

Produced:  
Collected: 11/22/2024 10:32 am  
Received: 11/22/2024  
Completed: 11/29/2024  
Batch #: 209KMT103024  
Harvest Date: 10/30/2024

Client  
**Sonoran Roots**  
Lic. # 00000037DCDM00904008

Lot #:  
Production/Manufacture Date:  
Production/Manufacture Method: Indoor



### Summary

| Test         | Date Tested | Result   |
|--------------|-------------|----------|
| Batch        |             | Pass     |
| Cannabinoids | 11/26/2024  | Complete |
| Terpenes     | 11/27/2024  | Complete |
| Microbials   | 11/29/2024  | Pass     |
| Pesticides   | 11/25/2024  | Pass     |
| Heavy Metals | 11/26/2024  | Pass     |

### Cannabinoids by SOP-6

Complete



| Analyte          | LOD | LOQ    | Result         | Result          | Q |
|------------------|-----|--------|----------------|-----------------|---|
|                  | %   | %      | %              | mg/g            |   |
| THCa             |     | 0.1000 | 33.5943        | 335.943         |   |
| Δ9-THC           |     | 0.1000 | 0.1787         | 1.787           |   |
| Δ8-THC           |     | 0.1000 | ND             | ND              |   |
| THCV             |     | 0.1000 | ND             | ND              |   |
| CBDa             |     | 0.1000 | <LOQ           | <LOQ            |   |
| CBD              |     | 0.1000 | ND             | ND              |   |
| CBDVa            |     | 0.1000 | ND             | ND              |   |
| CBDV             |     | 0.1000 | ND             | ND              |   |
| CBN              |     | 0.1000 | ND             | ND              |   |
| CBGa             |     | 0.1000 | 0.9418         | 9.418           |   |
| CBG              |     | 0.1000 | 0.1216         | 1.216           |   |
| CBC              |     | 0.1000 | ND             | ND              |   |
| <b>Total THC</b> |     |        | <b>29.6409</b> | <b>296.4090</b> |   |
| <b>Total CBD</b> |     |        | <b>ND</b>      | <b>ND</b>       |   |
| <b>Total</b>     |     |        | <b>34.8365</b> | <b>348.365</b>  |   |

Date Tested: 11/26/2024 07:00 am



*Anthony Settanni*  
Anthony Settanni  
Lab Director  
11/29/2024

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Production/Manufacture Date:  
Production/Manufacture Method: Indoor

### Pesticides by SOP-22

Pass

| Analyte             | LOQ    | Limit  | Result | Q   | Status | Analyte         | LOQ    | Limit  | Result | Q | Status |
|---------------------|--------|--------|--------|-----|--------|-----------------|--------|--------|--------|---|--------|
|                     | PPM    | PPM    | PPM    |     |        |                 | PPM    | PPM    | PPM    |   |        |
| Abamectin           | 0.2500 | 0.5000 | ND     |     | Pass   | Hexythiazox     | 0.5000 | 1.0000 | ND     |   | Pass   |
| Acephate            | 0.2000 | 0.4000 | ND     |     | Pass   | Imazalil        | 0.1000 | 0.2000 | ND     |   | Pass   |
| Acetamiprid         | 0.1000 | 0.2000 | ND     |     | Pass   | Imidacloprid    | 0.2000 | 0.4000 | ND     |   | Pass   |
| Aldicarb            | 0.2000 | 0.4000 | ND     |     | Pass   | Kresoxim Methyl | 0.2000 | 0.4000 | ND     |   | Pass   |
| Azoxystrobin        | 0.1000 | 0.2000 | ND     |     | Pass   | Malathion       | 0.1000 | 0.2000 | ND     |   | Pass   |
| Bifenazate          | 0.1000 | 0.2000 | ND     |     | Pass   | Metalaxyl       | 0.1000 | 0.2000 | ND     |   | Pass   |
| Bifenthrin          | 0.1000 | 0.2000 | ND     |     | Pass   | Methiocarb      | 0.1000 | 0.2000 | ND     |   | Pass   |
| Boscalid            | 0.2000 | 0.4000 | ND     |     | Pass   | Methomyl        | 0.2000 | 0.4000 | ND     |   | Pass   |
| Carbaryl            | 0.1000 | 0.2000 | ND     |     | Pass   | Myclobutanil    | 0.1000 | 0.2000 | ND     |   | Pass   |
| Carbofuran          | 0.1000 | 0.2000 | ND     |     | Pass   | Naled           | 0.2500 | 0.5000 | ND     |   | Pass   |
| Chlorantraniliprole | 0.1000 | 0.2000 | ND     |     | Pass   | Oxamyl          | 0.5000 | 1.0000 | ND     |   | Pass   |
| Chlorfenapyr        | 0.5000 | 1.0000 | ND     |     | Pass   | Paclbutrazol    | 0.2000 | 0.4000 | ND     |   | Pass   |
| Chlorpyrifos        | 0.1000 | 0.2000 | ND     |     | Pass   | Permethrins     | 0.1000 | 0.2000 | ND     |   | Pass   |
| Clofentezine        | 0.1000 | 0.2000 | ND     |     | Pass   | Phosmet         | 0.1000 | 0.2000 | ND     |   | Pass   |
| Cyfluthrin          | 0.5000 | 1.0000 | ND     |     | Pass   | Piperonyl       | 1.0000 | 2.0000 | ND     |   | Pass   |
| Cypermethrin        | 0.5000 | 1.0000 | ND     |     | Pass   | Butoxide        |        |        |        |   |        |
| Daminozide          | 0.5000 | 1.0000 | ND     |     | Pass   | Prallethrin     | 0.1000 | 0.2000 | ND     |   | Pass   |
| Diazinon            | 0.1000 | 0.2000 | ND     |     | Pass   | Propiconazole   | 0.2000 | 0.4000 | ND     |   | Pass   |
| Dichlorvos          | 0.0500 | 0.1000 | ND     |     | Pass   | Propoxur        | 0.1000 | 0.2000 | ND     |   | Pass   |
| Dimethoate          | 0.1000 | 0.2000 | ND     |     | Pass   | Pyrethrins      | 0.5000 | 1.0000 | ND     |   | Pass   |
| Ethoprophos         | 0.1000 | 0.2000 | ND     |     | Pass   | Pyridaben       | 0.1000 | 0.2000 | ND     |   | Pass   |
| Etofenprox          | 0.2000 | 0.4000 | ND     |     | Pass   | Spinosad        | 0.1000 | 0.2000 | ND     |   | Pass   |
| Etoxazole           | 0.1000 | 0.2000 | ND     |     | Pass   | Spiromesifen    | 0.1000 | 0.2000 | ND     |   | Pass   |
| Fenoxycarb          | 0.1000 | 0.2000 | ND     |     | Pass   | Spirotetramat   | 0.1000 | 0.2000 | ND     |   | Pass   |
| Fenpyroximate       | 0.2000 | 0.4000 | ND     |     | Pass   | Spiroxamine     | 0.2000 | 0.4000 | ND     |   | Pass   |
| Fipronil            | 0.2000 | 0.4000 | ND     |     | Pass   | Tebuconazole    | 0.2000 | 0.4000 | ND     |   | Pass   |
| Flonicamid          | 0.5000 | 1.0000 | ND     |     | Pass   | Thiacloprid     | 0.1000 | 0.2000 | ND     |   | Pass   |
| Fludioxonil         | 0.2000 | 0.4000 | ND     | V11 | Pass   | Thiamethoxam    | 0.1000 | 0.2000 | ND     |   | Pass   |
|                     |        |        |        |     |        | Trifloxystrobin | 0.1000 | 0.2000 | ND     |   | Pass   |

Date Tested: 11/25/2024 07:00 am



*Anthony Settanni*

Anthony Settanni  
Lab Director  
11/29/2024

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Production/Manufacture Date:  
Production/Manufacture Method: Indoor

**Microbials**

Pass

| Analyte   | Limit                       | Result | Status | Q |
|---|-----------------------------|--------|--------|---|
| Salmonella SPP by QPCR: SOP-15  | Detected/Not Detected in 1g | ND     | Pass   |   |
| Aspergillus Flavus Aspergillus Fumigatus or Aspergillus Niger by QPCR: SOP-14 | Detected/Not Detected in 1g | ND     | Pass   |   |
| Aspergillus Terreus by QPCR: SOP-14   | Detected/Not Detected in 1g | ND     | Pass   |   |

| Analyte                                | LOQ           | Limit          | Result              | Status | Q |
|--|---------------|----------------|---------------------|--------|---|
| E. Coli by traditional plating: SOP-13 | CFU/g<br>10.0 | CFU/g<br>100.0 | CFU/g<br>< 10 CFU/g | Pass   |   |

Date Tested: 11/29/2024 12:00 am

**Mycotoxins by SOP-22**

Not Tested

| Analyte | LOD | LOQ | Limit | Units | Status | Q |
|---------|-----|-----|-------|-------|--------|---|
|---------|-----|-----|-------|-------|--------|---|

Date Tested:

**Heavy Metals by SOP-21**

Pass

| Analyte | LOD    | LOQ    | Limit  | Units | Status | Q |
|---------|--------|--------|--------|-------|--------|---|
|         | PPM    | PPM    | PPM    | PPM   |        |   |
| Arsenic | 0.1000 | 0.1330 | 0.4000 | ND    | Pass   |   |
| Cadmium | 0.1000 | 0.1330 | 0.4000 | ND    | Pass   |   |
| Lead    | 0.2500 | 0.3330 | 1.0000 | ND    | Pass   |   |
| Mercury | 0.0500 | 0.0660 | 0.2000 | ND    | Pass   |   |

Date Tested: 11/26/2024 07:00 am



*Anthony Settanni*

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11/29/2024

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Lic. # 00000037DCDM00904008

Lot #:  
Production/Manufacture Date:  
Production/Manufacture Method: Indoor

### Terpenes

| Analyte              | LOQ    | Result | Result | Q  | Analyte            | LOQ          | Result        | Result        | Q  |
|----------------------|--------|--------|--------|----|--------------------|--------------|---------------|---------------|----|
|                      | %      | %      | mg/g   |    |                    | %            | %             | mg/g          |    |
| β-Caryophyllene      | 0.0010 | 0.4774 | 4.774  | Q3 | Carvone            | 0.0010       | ND            | ND            | Q3 |
| D,L-Limonene         | 0.0010 | 0.4223 | 4.223  | Q3 | cis-Citral         | 0.0010       | ND            | ND            | Q3 |
| Linalool             | 0.0010 | 0.1993 | 1.993  | Q3 | cis-Farnesol       | 0.0010       | ND            | ND            | Q3 |
| α-Humulene           | 0.0010 | 0.1362 | 1.362  | Q3 | cis-Nerolidol      | 0.0010       | ND            | ND            | Q3 |
| β-Pinene             | 0.0010 | 0.0988 | 0.988  | Q3 | Eucalyptol         | 0.0010       | ND            | ND            | Q3 |
| β-Myrcene            | 0.0010 | 0.0708 | 0.708  | Q3 | γ-Terpinene        | 0.0010       | ND            | ND            | Q3 |
| α-Pinene             | 0.0010 | 0.0544 | 0.544  | Q3 | Geranyl Acetate    | 0.0010       | ND            | ND            | Q3 |
| Endo-Fenchyl Alcohol | 0.0010 | 0.0518 | 0.518  | Q3 | Guaiol             | 0.0010       | ND            | ND            | Q3 |
| α-Bisabolol          | 0.0010 | 0.0515 | 0.515  | Q3 | Isoborneol         | 0.0010       | ND            | ND            | Q3 |
| α-Terpineol          | 0.0010 | 0.0414 | 0.414  | Q3 | Isobornyl Acetate  | 0.0010       | ND            | ND            | Q3 |
| Camphene             | 0.0010 | 0.0161 | 0.161  | Q3 | Isopulegol         | 0.0010       | ND            | ND            | Q3 |
| trans-Nerolidol      | 0.0010 | 0.0150 | 0.150  | Q3 | m-Cymene           | 0.0010       | ND            | ND            | Q3 |
| Caryophyllene Oxide  | 0.0010 | 0.0085 | 0.085  | Q3 | Menthol            | 0.0010       | ND            | ND            | Q3 |
| cis-beta-Ocimene     | 0.0010 | 0.0042 | 0.042  | Q3 | L-Menthone         | 0.0010       | ND            | ND            | Q3 |
| Fenchone             | 0.0010 | 0.0038 | 0.038  | Q3 | Nerol              | 0.0010       | ND            | ND            | Q3 |
| Terpinen-4-ol        | 0.0010 | 0.0027 | 0.027  | Q3 | Nootkatone         | 0.0010       | ND            | ND            | Q3 |
| Citronellol          | 0.0010 | 0.0020 | 0.020  | Q3 | o,p-Cymene         | 0.0010       | ND            | ND            | Q3 |
| Geraniol             | 0.0010 | 0.0020 | 0.020  | Q3 | Octyl Acetate      | 0.0010       | ND            | ND            | Q3 |
| Sabinene Hydrate     | 0.0010 | 0.0015 | 0.015  | Q3 | Phytane            | 0.0010       | ND            | ND            | Q3 |
| Cedrol               | 0.0010 | 0.0014 | 0.014  | Q3 | Piperitone         | 0.0010       | ND            | ND            | Q3 |
| 3-Carene             | 0.0010 | ND     | ND     | Q3 | Pulegone           | 0.0010       | ND            | ND            | Q3 |
| α-Cedrene            | 0.0010 | ND     | ND     | Q3 | Sabinene           | 0.0010       | ND            | ND            | Q3 |
| α-Phellandrene       | 0.0010 | ND     | ND     | Q3 | Safranal           | 0.0010       | ND            | ND            | Q3 |
| α-Terpinene          | 0.0010 | ND     | ND     | Q3 | Terpinolene        | 0.0010       | ND            | ND            | Q3 |
| α-Thujone            | 0.0010 | ND     | ND     | Q3 | Thymol             | 0.0010       | ND            | ND            | Q3 |
| trans-β-Farnesene    | 0.0010 | ND     | ND     | Q3 | trans-Citral       | 0.0010       | ND            | ND            | Q3 |
| D,L-Borneol          | 0.0010 | ND     | ND     | Q3 | trans-beta-Ocimene | 0.0010       | ND            | ND            | Q3 |
| Camphor              | 0.0010 | ND     | ND     | Q3 | Valencene          | 0.0010       | ND            | ND            | Q3 |
| Carvacrol            | 0.0010 | ND     | ND     | Q3 | Verbenone          | 0.0010       | ND            | ND            | Q3 |
|                      |        |        |        |    |                    | <b>Total</b> | <b>1.6613</b> | <b>16.613</b> |    |

### Primary Aromas



Date Tested: 11/27/2024 12:00 am  
Terpenes analysis is not regulated by AZDHS.



*Anthony Settanni*  
Anthony Settanni  
Lab Director  
11/29/2024

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**Qualifiers Definitions**

| Qualifier Notation | Qualifier Description  |
|--------------------|--|
| I1                 | The relative intensity of a characteristic ion in a sample analyte exceeded the acceptance criteria in subsection (L)(1) 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 in subsection (K)(2)(c), but the sample's target analytes were not detected above the maximum allowable concentrations in Table 3.1 for the analytes in the sample |
| M1                 | The recovery from the matrix spike in subsection (K)(4) was: a. High, but the recovery from the laboratory control sample in subsection (K)(2) was within acceptance criteria  |
| M2                 | The recovery from the matrix spike in subsection (K)(4) was: b. Low, but the recovery from the laboratory control sample in subsection (K)(2) was within acceptance criteria   |
| M3                 | The recovery from the matrix spike in subsection (K)(4) was: c. Unusable because the analyte concentration was disproportionate to the spike level, but the recovery from the laboratory control sample in subsection (K)(2) was within acceptance criteria  |
| R1                 | The relative percent difference for the laboratory control sample and duplicate exceeded the limit in subsection (K)(3), but the recovery in subsection (K)(2) was within acceptance criteria  |
| V1                 | The recovery from continuing calibration verification standards exceeded the acceptance limits in subsection (J)(1)(b), but the sample's target analytes were not detected above the maximum allowable concentrations in Table 3.1 for the analytes in the sample  |
| Q2                 | The sample is heterogeneous, and sample homogeneity could not be readily achieved using routine laboratory practices - Used to denote that the sample as-received could not be fully pre-homogenized in packaging prior to microbiology analysis   |
| 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   |

**Customer Supplied Information:**

**Notes and Addenda:**



Bryant Kearl  
Chief Scientific Officer  
11/29/2024

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