

Certificate of Analysis

Sample:KN31127002-001
Harvest/Lot ID: 23L001
Batch#: 23L001
Batch Date: 11/22/23
Sample Size Received: 15.2 gram
Retail Product Size: 5.1 gram
Ordered : 11/22/23
Sampled : 11/22/23
Completed: 11/30/23

Nov 30, 2023 | Asterra Labs
800 Cooke Rd.
Nashville, NC, 27856, US



PASSED
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| PRODUCT IMAGE | SAFETY RESULTS | | | | | | | | MISC. |
|--|--|--|--|--|--|---|--|--|--|
|  |  Pesticides PASSED |  Heavy Metals PASSED |  Microbials PASSED |  Mycotoxins PASSED |  Residuals Solvents PASSED |  Filtration PASSED |  Water Activity NOT TESTED |  Moisture PASSED |  Terpenes NOT TESTED |

| | | |
|---|----------------|---------------|
|  | Potency | PASSED |
|---|----------------|---------------|



Total THC
0.1905%
Total THC/Gummy : 9.715 mg



Total Cannabinoids
0.1905%
Total Cannabinoids/Gummy : 9.715 mg

| | CBDVA | CBDV | CBDA | CBGA | CBG | CBD | D9-THCV | D8-THCV | CBN | D9-THC | D8-THC | D10-THC | CBC | THCA |
|------|-------|-------|-------|-------|-------|-------|---------|---------|-------|--------|--------|---------|-------|-------|
| % | ND | ND | ND | ND | ND | <0.01 | <0.01 | ND | <0.01 | 0.1905 | <0.01 | ND | ND | ND |
| mg/g | ND | ND | ND | ND | ND | <0.1 | <0.1 | ND | <0.1 | 1.905 | <0.1 | ND | ND | ND |
| LOD | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
| % | % | % | % | % | % | % | % | % | % | % | % | % | % | % |

Analyzed by: 2657 Weight: 0.2103g Extraction date: 11/27/23 16:30:35 Extracted by: 2990,2657

Analysis Method : SOP.T.30.031.TN & SOP.T.40.031.TN Expanded Measurement of Uncertainty: Flower Matrix d9-THC: ± 0.100 , THCA: ± 0.124 , TOTAL THC ± 0.112 . These uncertainties represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor $k=2$ for a normal distribution.

Analytical Batch : KN004328POT **Reviewed On :** 11/28/23 16:01:31

Instrument Used : E-SHI-008 **Batch Date :** 11/27/23 12:16:15

Running on : N/A

Dilution : N/A
Reagent : 083023.01; 100422.02; 090723.02; 112823.R01; 112823.R02; 110323.01
Consumables : 302110210; 22/04/01; 220501; B9291.100; 230105059D; 947B9291.271; GD220011; 1350331; 6121219; 600185
Pipette : E-VWR-120

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV/PDA detection (HPLC-UV/PDA). All cannabinoids have an LOQ of 0.01%.



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 Email: ron.rogers@asterrallabs.com

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Harvest/Lot ID: 23L001

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Ordered : 11/22/23

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Completed : 11/30/23 Expires: 11/30/24

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Pesticides

PASSED

| Pesticide | LOD | Units | Action Level | Pass/Fail | Result | Pesticide | LOD | Units | Action Level | Pass/Fail | Result |
|----------------------|-------|-------|--------------|-----------|--------|---|-------|-------|--------------|-----------|--------|
| ABAMECTIN B1A | 0.012 | ppm | 0.3 | PASS | ND | PIPERONYL BUTOXIDE | 0.006 | ppm | 3 | PASS | ND |
| ACEPHATE | 0.008 | ppm | 3 | PASS | ND | PRALLETHRIN | 0.008 | ppm | 0.4 | PASS | ND |
| ACEQUINOCYL | 0.038 | ppm | 2 | PASS | ND | PROPICONAZOLE | 0.007 | ppm | 1 | PASS | ND |
| ACETAMIPRID | 0.009 | ppm | 3 | PASS | ND | PROPOXUR | 0.008 | ppm | 0.1 | PASS | ND |
| ALDICARB | 0.009 | ppm | 0.1 | PASS | ND | PYRETHRINS | 0.002 | ppm | 1 | PASS | ND |
| AZOXYSTROBIN | 0.013 | ppm | 3 | PASS | ND | PYRIDABEN | 0.007 | ppm | 3 | PASS | ND |
| BIFENAZATE | 0.028 | ppm | 3 | PASS | ND | SPINETORAM | 0.004 | ppm | 3 | PASS | ND |
| BIFENTHRIN | 0.047 | ppm | 0.5 | PASS | ND | SPIROMESIFEN | 0.009 | ppm | 3 | PASS | ND |
| BOSCALID | 0.007 | ppm | 3 | PASS | ND | SPIROTETRAMAT | 0.009 | ppm | 3 | PASS | ND |
| CARBARYL | 0.015 | ppm | 0.5 | PASS | ND | SPIROXAMINE | 0.006 | ppm | 0.1 | PASS | ND |
| CARBOFURAN | 0.008 | ppm | 0.1 | PASS | ND | TEBUCONAZOLE | 0.009 | ppm | 1 | PASS | ND |
| CHLORANTRANILIPROLE | 0.012 | ppm | 1 | PASS | ND | THIACLOPRID | 0.008 | ppm | 0.1 | PASS | ND |
| CHLORMEQUAT CHLORIDE | 0.008 | ppm | 3 | PASS | ND | THIAMETHOXAM | 0.009 | ppm | 1 | PASS | ND |
| CHLORPYRIFOS | 0.014 | ppm | 0.1 | PASS | ND | TOTAL SPINOSAD | 0.009 | ppm | 3 | PASS | ND |
| CLOFENTEZINE | 0.006 | ppm | 0.5 | PASS | ND | TRIFLOXYSTROBIN | 0.009 | ppm | 3 | PASS | ND |
| COUMAPHOS | 0.009 | ppm | 0.1 | PASS | ND | <div>Analyzed by: 2803Weight: 1.001gExtraction date: 11/29/23 13:09:44Extracted by: 2803</div> <div>Analysis Method : SOP.T.30.101.TN, SOP.T.40.101.TN</div> <div>Analytical Batch : KN004340PES</div> <div>Instrument Used : E-SHI-125</div> <div>Running on : N/A</div> <div>Dilution : 0.01</div> <div>Reagent : 082523.R07; 110623.R01; 110623.R02; 112023.R02; 102323.R25; 032221.01; 092123.R06; 092023.R17</div> <div>Consumables : 3021102.10; K130252; 22/04/01; 21332MO; 220906; B9291.100; 21267B0; 251760; 201123-058; 260148; 1008702218; GD220011; 1350331</div> <div>Pipette : E-EPP-080; E-EPP-081; E-EPP-082; E-VWR-099; E-VWR-116; E-VWR-117; E-VWR-118; E-VWR-119</div> <div>Testing for agricultural agents is performed utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry.</div> <div>*Based on FL action limits.</div> | | | | | |
| CYPERMETHRIN | 0.01 | ppm | 1 | PASS | ND | | | | | | |
| DAMINOZIDE | 0.006 | ppm | 0.1 | PASS | ND | | | | | | |
| DIAZANON | 0.006 | ppm | 0.2 | PASS | ND | | | | | | |
| DICHLORVOS | 0.014 | ppm | 0.1 | PASS | ND | | | | | | |
| DIMETHOATE | 0.009 | ppm | 0.1 | PASS | ND | | | | | | |
| DIMETHOMORPH | 0.009 | ppm | 3 | PASS | ND | | | | | | |
| ETHOPROPHOS | 0.007 | ppm | 0.1 | PASS | ND | | | | | | |
| ETOFENPROX | 0.009 | ppm | 0.1 | PASS | ND | | | | | | |
| ETOXAZOLE | 0.007 | ppm | 1.5 | PASS | ND | | | | | | |
| FENHEXAMID | 0.005 | ppm | 3 | PASS | ND | | | | | | |
| FENOXYCARB | 0.007 | ppm | 0.1 | PASS | ND | | | | | | |
| FENPYROXIMATE | 0.006 | ppm | 2 | PASS | ND | | | | | | |
| FIPRONIL | 0.008 | ppm | 0.1 | PASS | ND | | | | | | |
| FLONICAMID | 0.014 | ppm | 2 | PASS | ND | | | | | | |
| FLUDIOXONIL | 0.011 | ppm | 3 | PASS | ND | | | | | | |
| HEXYTHIAZOX | 0.009 | ppm | 2 | PASS | ND | | | | | | |
| IMAZALIL | 0.01 | ppm | 0.1 | PASS | ND | | | | | | |
| IMIDACLOPRID | 0.005 | ppm | 3 | PASS | ND | | | | | | |
| KRESOXIM-METHYL | 0.01 | ppm | 1 | PASS | ND | | | | | | |
| MALATHION | 0.009 | ppm | 2 | PASS | ND | | | | | | |
| METALAXYL | 0.008 | ppm | 3 | PASS | ND | | | | | | |
| METHIOCARB | 0.008 | ppm | 0.1 | PASS | ND | | | | | | |
| METHOMYL | 0.009 | ppm | 0.1 | PASS | ND | | | | | | |
| MEVINPHOS | 0.001 | ppm | 0.1 | PASS | ND | | | | | | |
| MYCLOBUTANIL | 0.006 | ppm | 3 | PASS | ND | | | | | | |
| NALED | 0.023 | ppm | 0.5 | PASS | ND | | | | | | |
| OXAMYL | 0.009 | ppm | 0.5 | PASS | ND | | | | | | |
| PACLOBUTRAZOL | 0.007 | ppm | 0.1 | PASS | ND | | | | | | |
| PERMETHRINS | 0.008 | ppm | 1 | PASS | ND | | | | | | |
| PHOSMET | 0.009 | ppm | 0.2 | PASS | ND | | | | | | |



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Residual Solvents

PASSED

| Solvents | LOD | Units | Action Level | Pass/Fail | Result |
|--|------|-------|--------------|-----------|--------|
| PROPANE | 100 | ppm | 5000 | PASS | ND |
| BUTANES (N-BUTANE) | 100 | ppm | 5000 | PASS | ND |
| METHANOL | 20 | ppm | 250 | PASS | ND |
| ETHYLENE OXIDE | 0.2 | ppm | 5 | PASS | ND |
| PENTANES (N-PENTANE) | 32 | ppm | 750 | PASS | ND |
| ETHANOL | 100 | ppm | 5000 | PASS | ND |
| ETHYL ETHER | 10 | ppm | 500 | PASS | ND |
| 1,1-DICHLOROETHENE | 0.6 | ppm | 8 | PASS | ND |
| ACETONE | 40 | ppm | 750 | PASS | ND |
| 2-PROPANOL | 25 | ppm | 500 | PASS | ND |
| ACETONITRILE | 20 | ppm | 60 | PASS | ND |
| DICHLOROMETHANE | 2 | ppm | 125 | PASS | ND |
| N-HEXANE | 10 | ppm | 250 | PASS | ND |
| ETHYL ACETATE | 11 | ppm | 400 | PASS | ND |
| CHLOROFORM | 0.04 | ppm | 2 | PASS | ND |
| BENZENE | 0.03 | ppm | 1 | PASS | ND |
| 1,2-DICHLOROETHANE | 0.05 | ppm | 2 | PASS | ND |
| HEPTANE | 53 | ppm | 5000 | PASS | ND |
| TRICHLOROETHYLENE | 0.5 | ppm | 25 | PASS | ND |
| TOLUENE | 5 | ppm | 150 | PASS | ND |
| TOTAL XYLENES - M, P & O - DIMETHYLBENZENE | 15 | ppm | 150 | PASS | ND |

| | | | |
|----------------------|--------------------|---------------------------------------|-----------------------|
| Analyzed by: 3050 | Weight: 0.0236g | Extraction date: 11/28/23 08:54:50 | Extracted by: 3050 |
|----------------------|--------------------|---------------------------------------|-----------------------|

Analysis Method : SOP.T.40.041.TN

Analytical Batch : KN004334SOL

Instrument Used : E-SHI-106

Running on : N/A

Reviewed On : 11/29/23 16:12:22

Batch Date : 11/28/23 08:39:55

Dilution : N/A

Reagent : 100422.02

Consumables : R2017.167; G201.167

Pipette : N/A

Residual solvents analysis is performed using Gas Chromatography / Mass Spectrometry. *Based on FL action limits.



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|  Microbial PASSED | | | | | |  Mycotoxins PASSED | | | | | |
|--|-----|-------|-------------|-------------|--------------|--|--------|-------|--------|-------------|--------------|
| Analyte | LOD | Units | Result | Pass / Fail | Action Level | Analyte | LOD | Units | Result | Pass / Fail | Action Level |
| ESCHERICHIA COLI SHIGELLA SPP | | | Not Present | PASS | | AFLATOXIN G2 | 0.0016 | ppm | ND | PASS | 0.02 |
| SALMONELLA SPECIFIC GENE | | | Not Present | PASS | | AFLATOXIN G1 | 0.0012 | ppm | ND | PASS | 0.02 |
| ASPERGILLUS FLAVUS | | | Not Present | PASS | | AFLATOXIN B2 | 0.0012 | ppm | ND | PASS | 0.02 |
| ASPERGILLUS FUMIGATUS | | | Not Present | PASS | | AFLATOXIN B1 | 0.0012 | ppm | ND | PASS | 0.02 |
| ASPERGILLUS NIGER | | | Not Present | PASS | | OCHRATOXIN A+ | 0.002 | ppm | ND | PASS | 0.02 |
| ASPERGILLUS TERREUS | | | Not Present | PASS | | TOTAL MYCOTOXINS | 0.002 | ppm | ND | PASS | 0.02 |
| TOTAL YEAST AND MOLD | 10 | CFU | ND | PASS | 100000 | | | | | | |
| Analysis Method : SOP.T.40.056C, SOP.T.40.041 LOD is 1 CFU | | | | | | Analysis Method : SOP.T.30.101.TN, SOP.T.40.101.TN | | | | | |
| Analytical Batch : KN004327MIC | | | | | | Analytical Batch : KN004341MYC | | | | | |
| Instrument Used : E-HEW-069 | | | | | | Instrument Used : E-SHI-125 | | | | | |
| Running on : N/A | | | | | | Running on : N/A | | | | | |
| Dilution : N/A | | | | | | Dilution : 0.01 | | | | | |
| Reagent : 100623.02; 030723.10; 081623.02; 111523.01; 122222.01 | | | | | | Reagent : 082523.R07; 110623.R01; 110623.R02; 112023.R02; 102323.R25; 032221.01; 092123.R06; 092023.R17 | | | | | |
| Consumables : 22/04/01; 10RWL0315W13; 251773; 242429; P7528255; 41218-146C4-146C; 263989; n/a; 247040; 0150210 | | | | | | Consumables : 302110210; K130252; 22/04/01; 21332MO; 220906; B9291.100; 21267B0; 251760; 201123-058; 260148; 1008702218; GD220011; 1350331 | | | | | |
| Pipette : E-THE-045; E-THE-046; E-THE-047; E-THE-048; E-THE-049; E-THE-050; E-THE-051; E-THE-052; E-THE-053; E-THE-054; E-BIO-188 | | | | | | Pipette : E-EPP-080; E-EPP-081; E-EPP-082; E-VWR-099; E-VWR-116; E-VWR-117; E-VWR-118; E-VWR-119 | | | | | |
| Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified by tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. With an LOD of 1cfu, if a pathogenic E Coli, Salmonella, A fumigatus, A flavus, A niger, or A terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing. | | | | | | Aflatoxins B1, B2, G1, G2, and Ochratoxins Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry. *Based on FL action limits. | | | | | |
| Analysis Method : SOP.T.40.209.TN | | | | | | Analysis Method : SOP.T.30.082, SOP.T.40.082.TN | | | | | |
| Analytical Batch : KN004333TYM | | | | | | Analytical Batch : KN004338HEA | | | | | |
| Instrument Used : N/A | | | | | | Instrument Used : E-AGI-084 | | | | | |
| Running on : N/A | | | | | | Running on : N/A | | | | | |
| Dilution : N/A | | | | | | Dilution : N/A | | | | | |
| Reagent : 030723.10; 081623.02; 111523.01 | | | | | | Reagent : 083023.01; 100422.02; 110823.R03; 110823.R02; 101722.05; 051923.01; 090723.R14; 071323.R26; 101323.R01; 111023.R01; 091223.R03; 091223.R04; 031623.R02; 090723.R15 | | | | | |
| Consumables : 263989; n/a; 0150210 | | | | | | Consumables : 1008702218; GD220011; 1350331; 829C6-829B; 221200; A260422A; A30701833 | | | | | |
| Pipette : E-BIO-188 | | | | | | Pipette : E-EPP-081; E-EPP-082 | | | | | |
| Total yeast and mold testing is performed utilizing MPN and traditional culture based techniques. *Based on FL action limits. | | | | | | Heavy Metals analysis is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to single digit ppb concentrations. LOQ is 0.04 ppm for all metals. *Based on FL action limits. | | | | | |
| Analysis Method : SOP.T.40.209.TN | | | | | | Analysis Method : SOP.T.30.082, SOP.T.40.082.TN | | | | | |
| Analytical Batch : KN004333TYM | | | | | | Analytical Batch : KN004338HEA | | | | | |
| Instrument Used : N/A | | | | | | Instrument Used : E-AGI-084 | | | | | |
| Running on : N/A | | | | | | Running on : N/A | | | | | |
| Dilution : N/A | | | | | | Dilution : N/A | | | | | |
| Reagent : 030723.10; 081623.02; 111523.01 | | | | | | Reagent : 083023.01; 100422.02; 110823.R03; 110823.R02; 101722.05; 051923.01; 090723.R14; 071323.R26; 101323.R01; 111023.R01; 091223.R03; 091223.R04; 031623.R02; 090723.R15 | | | | | |
| Consumables : 263989; n/a; 0150210 | | | | | | Consumables : 1008702218; GD220011; 1350331; 829C6-829B; 221200; A260422A; A30701833 | | | | | |
| Pipette : E-BIO-188 | | | | | | Pipette : E-EPP-081; E-EPP-082 | | | | | |



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Filth/Foreign Material
PASSED

Moisture
PASSED

| Analyte | LOD | Units | Result | P/F | Action Level | Analyte | LOD | Units | Result | P/F | Action Level |
|--|-----|-------|---|-------------|--------------|---|-----|-------|---|---------------|--------------|
| Filth and Foreign Material | 1 | % | ND | PASS | 5 | Moisture Content | 1 | % | 5.73 | TESTED | |
| Analyzed by: 2837 Weight: 0.5294g Extraction date: 11/27/23 15:33:37 Analysis Method : SOP.T.40.090 Analytical Batch : KN004331FIL Instrument Used : E-AMS-138 Running on : N/A Dilution : N/A Reagent : N/A Consumables : N/A Pipette : N/A | | | | | | Analyzed by: 2657, 2837 Weight: 0.506g Extraction date: 11/27/23 15:42:52 Analysis Method : SOP.T.40.021 Analytical Batch : KN004332MOI Instrument Used : E-SHI-039 Running on : 11/27/23 15:51:20 Dilution : N/A Reagent : N/A Consumables : N/A Pipette : N/A | | | | | |
| | | | Reviewed On : 11/28/23 08:25:13 Batch Date : 11/27/23 15:05:55 | | | | | | Reviewed On : 11/27/23 16:20:04 Batch Date : 11/27/23 15:41:37 | | |

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. A SW-2T13 Stereo Microscope is use for inspection.

Moisture Content analysis utilizing loss-on-drying technology in accordance with F.S. Rule 64ER20.39.