



ALCHEMY
ANALYTICS



ALCHEMY ANALYTICS, LLC // 16501 HWY 16 E DE KALB MS 39328 // PH: 601-793-0161

MS LICENSE #: TESL000435

CERTIFICATE OF ANALYSIS

REPORTED: JUN 17, 2024

SAMPLE: KEY LIME NORTHERN LIGHTS 300MG TINCTURE (EDIBLE LIQUID) // **CLIENT:** MIDSOUTH EXTRACTS, LLC // **BATCH:** FAIL
STATE MANDATED TESTING



SAMPLE: KEY LIME NORTHERN LIGHTS 300MG TINCTURE
BATCH NO.: 1A42301000033F5000018629
MATRIX: EDIBLE LIQUID
CATEGORY: EDIBLE
METRC ID: 1A42301000033F5000018759
METRC BATCH ID: 1A42301000033F5000018629
INTERNAL SAMPLE ID: AAL-240603-019
TEST COMPLETION DATE: JUN 12, 2024
COLLECTED ON: JUN 03, 2024
BATCH/SAMPLE SIZE: 4 UNITS / 1 UNITS



MANUFACTURER INFO

MANUFACTURER
MIDSOUTH EXTRACTS, LLC
1527 KINGS CREEK DR
TUPELO, MS 38804

LICENSE
PROC001441
MEDICINAL - PROCESSING FACILITY

BATCH RESULT: FAIL

| | |
|-------------------|------|
| METALS | FAIL |
| MYCOTOXINS | PASS |
| PESTICIDES | PASS |
| SOLVENTS | PASS |



ALL LQC SAMPLES REQUIRED BY THE MISSISSIPPI DEPARTMENT OF HEALTH'S (MSDH) REGULATIONS FOR CANNABIS TESTING FACILITIES WERE PERFORMED AND MET THE MSDH'S DEFINED ACCEPTANCE CRITERIA. NOTWITHSTANDING THIS COMPLIANCE, THIS INFORMATION IS PROVIDED AS A SERVICE, AND ALCHEMY MAKES NO CLAIMS OF EFFICACY AND/OR SAFETY OF THIS PRODUCT. THE RESULTS PROVIDED ARE APPLICABLE ONLY FOR THE SAMPLE(S) ANALYZED; IN THE FORM ANALYZED; FOR THE SPECIFIC ANALYSIS CONDUCTED; AND ONLY FOR COMPLIANCE WITH THE MISSISSIPPI MEDICAL CANNABIS ACT, MISS. CODE ANN. § 41-137-35, ET. SEQ. THE STATEMENTS AND RESULTS PROVIDED IN THIS REPORT HAVE NOT BEEN APPROVED AND/OR ENDORSED BY THE FDA. THIS REPORT IS FOR INFORMATIONAL PURPOSES ONLY AND SHOULD NOT BE USED TO DIAGNOSE, TREAT, OR PREVENT ANY MEDICAL-RELATED SYMPTOMS. MEASUREMENT UNCERTAINTY IS AVAILABLE UPON REQUEST. UNLESS OTHERWISE STATED; DECISION RULES ARE FOLLOWING THE MISSISSIPPI MEDICAL CANNABIS ACT, MISS. CODE ANN. § 41-137-35, ET. SEQ. REGULATIONS. THIS REPORT SHOULD ONLY BE REPRODUCED IN FULL.

RESULTS CERTIFIED BY: SATISH ANNIGERI
LAB DIRECTOR, ALCHEMY ANALYTICS, LLC
JUN 17, 2024

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RESULTS CERTIFIED BY: BRANDI GOODMAN
SENIOR LABORATORY ANALYST, ALCHEMY ANALYTICS, LLC
JUN 17, 2024

Brandi Goodman

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AA-LAB-02, AA-LAB-03: MYCOTOXIN PROFILE BY LCMSTQ // JUN 12, 2024

| ANALYTE | AMT (µg/kg) | LIMIT (µg/kg) | LOD/LOQ (µg/kg) | PASS/FAIL |
|--------------|-------------|---------------|-----------------|-----------|
| AFLATOXIN B1 | ND | N/A | 1.409/4.269 | N/A |
| AFLATOXIN B2 | ND | N/A | 0.862/2.611 | N/A |
| AFLATOXIN G1 | ND | N/A | 1.989/6.026 | N/A |
| AFLATOXIN G2 | ND | N/A | 1.519/4.603 | N/A |
| AFLATOXINS | ND | 20 | | PASS |
| OCHRATOXIN A | ND | 20 | 3.101/9.396 | PASS |

AA-LAB-03: PESTICIDE PROFILE BY GCMSTQ // JUN 07, 2024

| ANALYTE | AMT (µg/g) | LIMIT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|------------------|------------|--------------|----------------|-----------|
| CHLORFENAPYR | ND | 1 | 0.069/0.209 | PASS |
| METHYL PARATHION | ND | 0.2 | 0.022/0.066 | PASS |

AA-LAB-02: PESTICIDE PROFILE BY LCMSTQ // JUN 12, 2024

| ANALYTE | AMT (µg/g) | LIMIT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|----------------------|------------|--------------|----------------|-----------|
| ABAMECTIN | ND | 0.5 | 0.101/0.305 | PASS |
| ACEPHATE | ND | 0.4 | 0.033/0.099 | PASS |
| ACEQUINOCYL | ND | 2 | 0.015/0.046 | PASS |
| ACETAMIPRID | ND | 0.2 | 0.018/0.053 | PASS |
| ALDICARB | ND | 0.4 | 0.016/0.049 | PASS |
| AZOXYSTROBIN | ND | 0.2 | 0.017/0.052 | PASS |
| BIFENAZATE | ND | 0.2 | 0.019/0.056 | PASS |
| BIFENTHRIN | ND | 0.2 | 0.023/0.070 | PASS |
| BOSCALID | ND | 0.4 | 0.022/0.065 | PASS |
| CARBARYL | ND | 0.2 | 0.034/0.102 | PASS |
| CARBOFURAN | ND | 0.2 | 0.017/0.052 | PASS |
| CHLORANTRANIL-IPROLE | ND | 0.2 | 0.021/0.064 | PASS |
| CHLORFENAPYR | ND | 1 | 0.069/0.209 | PASS |
| CHLORMEQUAT CHLORIDE | ND | 0.2 | 0.017/0.052 | PASS |
| CHLORPYRIFOS | ND | 0.2 | 0.019/0.059 | PASS |
| CLOFENTEZINE | ND | 0.2 | 0.024/0.072 | PASS |
| CYFLUTHRIN | ND | 1 | 0.173/0.523 | PASS |
| CYPERMETHRIN | ND | 1 | 0.052/0.157 | PASS |
| DAMINOZIDE | ND | 1 | 0.043/0.131 | PASS |
| DIAZINON | ND | 0.2 | 0.022/0.067 | PASS |
| DICHLORVOS | ND | 0.1 | 0.024/0.071 | PASS |
| DIMETHOATE | ND | 0.2 | 0.016/0.047 | PASS |
| ETHOPROPHOS | ND | 0.2 | 0.029/0.088 | PASS |
| ETOFENPROX | ND | 0.4 | 0.016/0.047 | PASS |
| ETOXAZOLE | ND | 0.2 | 0.015/0.047 | PASS |
| FENOXYCARB | ND | 0.2 | 0.020/0.062 | PASS |
| FENPYROXIMATE | ND | 0.4 | 0.014/0.042 | PASS |
| FIPRONIL | ND | 0.4 | 0.053/0.160 | PASS |
| FLONICAMID | ND | 1 | 0.017/0.052 | PASS |
| FLUDIOXONIL | ND | 0.4 | 0.019/0.057 | PASS |
| HEXYTHIAZOX | ND | 1 | 0.023/0.069 | PASS |
| IMAZALIL | ND | 0.2 | 0.030/0.092 | PASS |
| IMIDACLOPRID | ND | 0.4 | 0.017/0.052 | PASS |
| KRESOXIM-METHYL | ND | 0.4 | 0.025/0.074 | PASS |
| MALATHION | ND | 0.2 | 0.024/0.073 | PASS |
| METALAXYL | ND | 0.2 | 0.033/0.100 | PASS |
| METHIOCARB | ND | 0.2 | 0.048/0.146 | PASS |
| METHOMYL | ND | 0.4 | 0.017/0.053 | PASS |
| METHYL PARATHION | ND | 0.2 | 0.022/0.066 | PASS |
| MYCLOBUTANIL | ND | 0.2 | 0.040/0.120 | PASS |
| NALED | ND | 0.5 | 0.054/0.164 | PASS |
| OXAMYL | ND | 1 | 0.016/0.049 | PASS |
| PACLOBUTRAZOL | ND | 0.4 | 0.018/0.053 | PASS |
| PERMETHRIN | ND | 0.2 | 0.054/0.163 | PASS |
| PHOSMET | ND | 0.2 | 0.020/0.059 | PASS |

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| | | | | |
|-------------------|----|-----|-------------|------|
| PIPERONYLBUTOXIDE | ND | 2 | 0.017/0.051 | PASS |
| PRALLETHRIN | ND | 0.2 | 0.031/0.095 | PASS |
| PROPICONAZOLE | ND | 0.4 | 0.023/0.069 | PASS |
| PROPOXUR | ND | 0.2 | 0.025/0.075 | PASS |
| PYRETHRINS | ND | 1 | 0.010/0.029 | PASS |
| PYRIDABEN | ND | 0.2 | 0.018/0.055 | PASS |
| SPINOSAD | ND | 0.2 | 0.017/0.052 | PASS |
| SPIROMESIFEN | ND | 0.2 | 0.016/0.049 | PASS |
| SPIROTETRAMAT | ND | 0.2 | 0.021/0.064 | PASS |
| SPIROXAMINE | ND | 0.4 | 0.018/0.055 | PASS |
| TEBUCONAZOLE | ND | 0.4 | 0.026/0.078 | PASS |
| THIACLOPRID | ND | 0.2 | 0.023/0.071 | PASS |
| THIAMETHOXAM | ND | 0.2 | 0.016/0.050 | PASS |
| TRIFLOXYSTROBIN | ND | 0.2 | 0.020/0.060 | PASS |

AA-LAB-06: HEAVY METAL PROFILE BY ICP-MS // JUN 11, 2024

| ANALYTE | AMT (µg/g) | LIMIT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|---------|------------|--------------|----------------|-----------|
| ARSENIC | ND | 0.4 | 0.021/0.065 | PASS |
| CADMIUM | 0.206 | 0.4 | 0.017/0.053 | PASS |
| LEAD | 1.533 | 1 | 0.013/0.040 | FAIL |
| MERCURY | ND | 1.2 | 0.045/0.137 | PASS |

AA-LAB-05: RESIDUAL SOLVENT PROFILE BY GC/MSD/HS // JUN 10, 2024

| ANALYTE | AMT (µg/g) | LIMIT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|--------------------|------------|--------------|----------------|-----------|
| 2,2-DIMETHYLBUTANE | ND | N/A | 5.001/23.703 | N/A |
| 2,3-DIMETHYLBUTANE | ND | N/A | 5.004/23.526 | N/A |
| 2-METHYLPENTANE | ND | N/A | 5.000/22.810 | N/A |
| 2-PROPANOL | ND | 5000 | 24.991/137.265 | PASS |
| 3-METHYLPENTANE | ND | N/A | 5.001/22.839 | N/A |
| ACETONE | ND | 1000 | 24.991/118.847 | PASS |
| ACETONITRILE | ND | 410 | 24.993/126.924 | PASS |
| BENZENE | ND | 2 | 0.251/1.181 | PASS |
| BUTANE | ND | N/A | 12.515/63.833 | N/A |
| BUTANES | ND | 5000 | | PASS |
| CHLOROFORM | ND | 60 | 0.250/1.293 | PASS |
| DICHLOROMETHANE | ND | 600 | | PASS |
| ETHANOL | ND | 5000 | 24.994/136.749 | PASS |
| ETHYL ACETATE | ND | 5000 | 24.994/111.122 | PASS |
| ETHYLBENZENE | ND | N/A | 6.251/29.304 | N/A |
| ETHYL ETHER | ND | 5000 | | PASS |
| HEPTANE | ND | 5000 | 24.995/106.097 | PASS |
| HEXANE | ND | N/A | 5.000/24.347 | N/A |
| HEXANES | ND | 290 | | PASS |
| ISOBUTANE | ND | N/A | 12.504/64.649 | N/A |
| ISOPENTANE | ND | N/A | 8.334/41.308 | N/A |
| ISOPROPYL ACETATE | ND | 5000 | 24.994/116.143 | PASS |
| METHANOL | ND | 3000 | 24.993/132.900 | PASS |
| NEOPENTANE | ND | N/A | 8.274/42.000 | N/A |
| O-XYLENE | ND | N/A | 6.253/29.213 | N/A |
| P- AND M-XYLENE | ND | N/A | 12.504/58.696 | N/A |
| PENTANE | ND | N/A | 8.333/40.580 | N/A |
| PENTANES | ND | 5000 | | PASS |
| PROPANE | ND | 5000 | 25.026/131.928 | PASS |
| TOLUENE | ND | 890 | 24.994/104.923 | PASS |
| TOTAL XYLENES | ND | 2170 | | PASS |

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