

PharmLabs San Diego Certificate of Analysis

Sample MODUS Kratom Powder - Green Vein Maeng Da



|                   |                                 |          |              |
|-------------------|---------------------------------|----------|--------------|
| Sample ID         | SD240810-033 (97671)            | Matrix   | Other        |
| Tested for        | California Diamond Distribution |          |              |
| Sampled           | -                               | Received | Aug 09, 2024 |
| Analyses executed | RES, MIBNIG, MTO, PES, HME      | Reported | Aug 15, 2024 |

HME - Heavy Metals Analysis

Analized Aug 13, 2024 | Instrument ICP/MSMS | Method SOP-005

| Analyte      | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g | Sample photography |
|--------------|----------|----------|-------------|------------|--------------------|
| Arsenic (As) | 0.0009   | 0.0027   | 0.05        | 1.5        |                    |
| Cadmium (Cd) | 0.0005   | 0.0015   | ND          | 0.5        |                    |
| Mercury (Hg) | 0.0058   | 0.0174   | ND          | 3          |                    |
|              |          |          |             |            |                    |
| Lead (Pb)    | 0.0006   | 0.0018   | 0.47        | 0.5        |                    |

MIBNIG - Microbial Analysis

Analized Aug 14, 2024 | Instrument Plating | Method SOP-007

| Analyte                                | LOD | LOQ | Result CFU/g | Limit         | Analyte         | LOD | LOQ | Result CFU/g | Limit         |
|----------------------------------------|-----|-----|--------------|---------------|-----------------|-----|-----|--------------|---------------|
| Shiga toxin-producing Escherichia Coli |     |     | ND           | ND per 1 gram | Salmonella spp. |     |     | ND           | ND per 1 gram |

MTO - Mycotoxin Analysis

Analized Aug 13, 2024 | Instrument LC/MSMS | Method SOP-004

| Analyte      | LOD ug/kg | LOQ ug/kg | Result ug/kg (ppb) | Limit ug/kg | Analyte          | LOD ug/kg | LOQ ug/kg | Result ug/kg (ppb) | Limit ug/kg |
|--------------|-----------|-----------|--------------------|-------------|------------------|-----------|-----------|--------------------|-------------|
| Ochratoxin A | 5.0       | 20.0      | ND                 | 20          | Aflatoxin B1     | 2.5       | 5.0       | ND                 | -           |
| Aflatoxin B2 | 2.5       | 5.0       | ND                 | -           | Aflatoxin G1     | 2.5       | 5.0       | ND                 | -           |
| Aflatoxin G2 | 2.5       | 5.0       | ND                 | -           | Total Aflatoxins | 10.0      | 20.0      | ND                 | 20          |

UI Unidentified  
ND Not Detected  
N/A Not Applicable  
NT Not Reported  
LOD Limit of Detection  
LOQ Limit of Quantification  
<LOQ Detected  
>ULOL Above upper limit of linearity  
CFU/g Colony Forming Units per 1 gram  
TNTC Too Numerous to Count



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DEA license: RP0611043  
ISO/IEC 17025:2017 Acc. 85368



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Authorized Signature

Brandon Starr

Brandon Starr, Quality Assurance Manager  
Thu, 15 Aug 2024 09:20:25 -0700

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PES - Pesticides Analysis

Analyzed Aug 13, 2024 | Instrument LC/MSMS GC/MSMS | Method SOP-003

| Analyte               | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g | Analyte             | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g |
|-----------------------|----------|----------|-------------|------------|---------------------|----------|----------|-------------|------------|
| Aldicarb              | 0.01     | 0.02     | ND          | 0          | Carbofuran          | 0.01     | 0.02     | ND          | 0          |
| Dimethoate            | 0.01     | 0.02     | ND          | 0          | Etofenprox          | 0.02     | 0.1      | ND          | 0          |
| Fenoxycarb            | 0.01     | 0.02     | ND          | 0          | Thiachloprid        | 0.01     | 0.02     | ND          | 0          |
| Daminozide            | 0.01     | 0.03     | ND          | 0          | Dichlorvos          | 0.02     | 0.07     | ND          | 0          |
| Imazalil              | 0.02     | 0.07     | ND          | 0          | Methiocarb          | 0.01     | 0.02     | ND          | 0          |
| Spiroxamine           | 0.01     | 0.02     | ND          | 0          | Coumaphos           | 0.01     | 0.02     | ND          | 0          |
| Paclobutrazol         | 0.01     | 0.03     | ND          | 0          | Chlorpyrifos        | 0.01     | 0.04     | ND          | 0          |
| Ethoprophos (Prophos) | 0.01     | 0.02     | ND          | 0          | Baygon (Propoxur)   | 0.01     | 0.02     | ND          | 0          |
| Mevinphos             | 0.03     | 0.08     | ND          | 0          | Abamectin           | 0.03     | 0.08     | ND          | 0.3        |
| Acephate              | 0.02     | 0.05     | ND          | 5          | Acetamiprid         | 0.01     | 0.05     | ND          | 5          |
| Azoxystrobin          | 0.01     | 0.02     | ND          | 40         | Bifenazate          | 0.01     | 0.05     | ND          | 5          |
| Bifenthrin            | 0.02     | 0.35     | ND          | 0.5        | Boscalid            | 0.01     | 0.03     | ND          | 10         |
| Carbaryl              | 0.01     | 0.02     | ND          | 0.5        | Chlorantraniliprole | 0.01     | 0.04     | ND          | 40         |
| Clofentezine          | 0.01     | 0.03     | ND          | 0.5        | Diazinon            | 0.01     | 0.02     | ND          | 0.2        |
| Dimethomorph          | 0.02     | 0.06     | ND          | 20         | Etoxazole           | 0.01     | 0.05     | ND          | 1.5        |
| Fenpyroximate         | 0.02     | 0.1      | ND          | 2          | Flonicamid          | 0.01     | 0.02     | ND          | 2          |
| Fludioxonil           | 0.01     | 0.05     | ND          | 30         | Hexythiazox         | 0.01     | 0.03     | ND          | 2          |
| Imidacloprid          | 0.01     | 0.05     | ND          | 3          | Kresoxim-methyl     | 0.01     | 0.03     | ND          | 1          |
| Malathion             | 0.01     | 0.05     | ND          | 5          | Metalaxyl           | 0.01     | 0.02     | ND          | 15         |
| Methomyl              | 0.02     | 0.05     | ND          | 0.1        | Myclobutanil        | 0.02     | 0.07     | ND          | 9          |
| Naled                 | 0.01     | 0.02     | ND          | 0.5        | Oxamyl              | 0.01     | 0.02     | ND          | 0.2        |
| Permethrin            | 0.01     | 0.02     | ND          | 20         | Phosmet             | 0.01     | 0.02     | ND          | 0.2        |
| Piperonyl Butoxide    | 0.02     | 0.06     | ND          | 8          | Propiconazole       | 0.03     | 0.08     | ND          | 20         |
| Prallethrin           | 0.02     | 0.05     | ND          | 0.4        | Pyrethrin           | 0.05     | 0.41     | ND          | 1          |
| Pyridaben             | 0.02     | 0.07     | ND          | 3          | Spinosad A          | 0.01     | 0.05     | ND          | 3          |
| Spinosad D            | 0.01     | 0.05     | ND          | 3          | Spiromesifen        | 0.02     | 0.06     | ND          | 12         |
| Spiratetramat         | 0.01     | 0.02     | ND          | 13         | Tebuconazole        | 0.01     | 0.02     | ND          | 2          |
| Thiamethoxam          | 0.01     | 0.02     | ND          | 4.5        | Trifloxystrobin     | 0.01     | 0.02     | ND          | 30         |
| Acequinocyl           | 0.02     | 0.09     | ND          | 4          | Captan              | 0.01     | 0.02     | ND          | 5          |
| Fenhexamid            | 0.02     | 0.07     | ND          | 10         | Spinetoram J.L      | 0.02     | 0.07     | ND          | 3          |

RES - Residual Solvents Analysis

Analyzed Aug 13, 2024 | Instrument GC/FID with Headspace Analyzer | Method SOP-006

| Analyte                    | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g | Analyte                      | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g |
|----------------------------|----------|----------|-------------|------------|------------------------------|----------|----------|-------------|------------|
| Propane (Prop)             | 0.08     | 0.4      | ND          | 5000       | Butane (But)                 | 0.08     | 0.4      | ND          | 5000       |
| Methanol (Metha)           | 0.08     | 0.4      | 191.8       | 3000       | Ethylene Oxide (EthOx)       | 0.08     | 0.4      | ND          | 1          |
| Pentane (Pen)              | 0.08     | 0.4      | ND          | 5000       | Ethanol (Ethan)              | 0.08     | 0.4      | ND          | 5000       |
| Ethyl Ether (EthEt)        | 0.08     | 0.4      | ND          | 5000       | Acetone (Acet)               | 0.08     | 0.4      | 161.1       | 5000       |
| Isopropanol (2-Pro)        | 0.08     | 0.4      | ND          | 5000       | Acetonitrile (Acetonit)      | 0.08     | 0.4      | ND          | 410        |
| Methylene Chloride (MetCh) | 0.08     | 0.4      | ND          | 1          | Hexane (Hex)                 | 0.08     | 0.4      | ND          | 290        |
| Ethyl Acetate (EthAc)      | 0.08     | 0.4      | ND          | 5000       | Chloroform (Clo)             | 0.08     | 0.4      | 17.8        | 1          |
| Benzene (Ben)              | 0.08     | 0.4      | ND          | 1          | 1-2-Dichloroethane (12-Dich) | 0.08     | 0.4      | 1.0         | 1          |
| Heptane (Hep)              | 0.08     | 0.4      | ND          | 5000       | Trichloroethylene (TriClEth) | 0.08     | 0.4      | ND          | 1          |
| Toluene (Toluene)          | 0.08     | 0.4      | ND          | 890        | Xylenes (Xyl)                | 0.08     | 0.4      | ND          | 2170       |

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