



# CERTIFICATE OF ANALYSIS

|                                |                         |                           |                     |  |                    |                                 |                         |             |
|--------------------------------|-------------------------|---------------------------|---------------------|--|--------------------|---------------------------------|-------------------------|-------------|
| Sample(s) Receipt Date(s):     | 9/26/2024               | Batch(s):                 | B240926-1           |  |                    |                                 |                         |             |
| Received by:                   | JDR                     | Sample ID #:              | 2409-260            |  |                    |                                 |                         |             |
| Customer Name/ID:              | 7TABZ Distribution      | Date of Analysis/Testing: | 9/27/24 - 10/3/2024 |  |                    |                                 |                         |             |
| Product/Sample Name            | 7Hydroxy -Citrus        | Lot #                     | 330924              |  |                    |                                 |                         |             |
| Final Disposition              | PASS                    | Method Group              |                     | Date   | Unit Weight (g)    | Concentration (mg 7OH-Mit/Unit) | Kratom [7OH-Mit] (g/g%) | Disposition |
|                                |                         | Kratom Alkaloids          |                     | 9/27/2024  | 0.7496             | 15                              | 2.00%                   | N/A         |
|                                |                         | Volatile Solvents         |                     | 9/30/2024  |                    |                                 |                         | PASS        |
|                                |                         | Heavy Metals              |                     | 10/1/2024  |                    |                                 |                         | PASS        |
| Microbiological                |                         | 10/2/2024                 | PASS                |  |                    |                                 |                         |             |
| Method Group                   | Analyte / Property      | LOD (mg/g)                | LOQ (mg/g)          | Results (%)  | Results (mg/g)     | Results (mg/Unit)               | Acceptance Criteria     | Disposition |
| Kratom Alkaloids               | Mitragynine             | 0.125                     | 0.2604              | ND   | N/A                |                                 | N/A                     |             |
|                                | 7OH-Mitragynine         | 0.125                     | 0.2604              | 1.97%  | 19.73              | 14.79                           | N/A                     |             |
|                                | Paynantheine            | 0.125                     | 0.2604              | ND   | N/A                |                                 | N/A                     |             |
|                                | Speciogynine            | 0.125                     | 0.2604              | ND   | N/A                |                                 | N/A                     |             |
|                                | Speciosciltane          | 0.125                     | 0.2604              | 0.02%  | 0.17               | 0.13                            |                         |             |
|                                | Mitraphylline           | 0.125                     | 0.2604              | ND   | N/A                |                                 | N/A                     |             |
|                                | Isorhynchophylline      | 0.125                     | 0.2604              | ND   | N/A                |                                 | N/A                     |             |
|                                | <b>Total Alkaloids</b>  |                           |                     |  | <b>1.99%</b>       | <b>19.90</b>                    | <b>14.91</b>            | <b>N/A</b>  |
| Method Group                   | Analyte / Property      | LOD (mg/g)                | LOQ (mg/g)          | Results (ug/g)   | Results (ug/Unit)  | Limit Amount (ug/g)             | Disposition             |             |
| Volatile Solvents (Category 1) | 1,2-Dichloroethane      | 0.170                     | 0.509               | ND   | N/A                | 1                               | PASS                    |             |
|                                | Benzene                 | 0.021                     | 0.064               | ND   | N/A                | 1                               | PASS                    |             |
|                                | Chloroform              | 0.036                     | 0.108               | ND   | N/A                | 1                               | PASS                    |             |
|                                | Ethylene Oxide          | 0.153                     | 0.579               | ND   | N/A                | 1                               | PASS                    |             |
|                                | Methylene Chloride      | 0.127                     | 0.729               | ND   | N/A                | 1                               | PASS                    |             |
|                                | Trichloroethene         | 0.018                     | 0.145               | ND   | N/A                | 1                               | PASS                    |             |
| Volatile Solvents (Category 2) | Acetone                 | 17.082                    | 51.246              | 49.0   | 36.73              | 5000                            | PASS                    |             |
|                                | Acetonitrile            | 0.120                     | 0.359               | 10.600   | 7.95               | 410                             | PASS                    |             |
|                                | Butane                  | 0.971                     | 4.849               | ND   | N/A                | 5000                            | PASS                    |             |
|                                | Ethanol                 | 2.614                     | 7.843               | 31.700   | 23.76              | 5000                            | PASS                    |             |
|                                | Ethyl Acetate           | 0.313                     | 2.288               | 148.0  | 110.93             | 5000                            | PASS                    |             |
|                                | Diethyl Ether           | 1.183                     | 3.548               | ND   | N/A                | 5000                            | PASS                    |             |
|                                | Heptane                 | 0.687                     | 2.859               | ND   | N/A                | 5000                            | PASS                    |             |
|                                | Hexane                  | 0.066                     | 0.281               | ND   | N/A                | 290                             | PASS                    |             |
|                                | Isopropanol             | 1.280                     | 3.840               | 12.300   | 9.22               | 5000                            | PASS                    |             |
|                                | Methanol                | 2.972                     | 8.917               | 287.0  | 215.12             | 3000                            | PASS                    |             |
|                                | Pentane                 | 0.962                     | 4.271               | ND   | N/A                | 5000                            | PASS                    |             |
|                                | Propane                 | 4.434                     | 13.302              | ND   | N/A                | 5000                            | PASS                    |             |
|                                | Toluene                 | 0.088                     | 0.864               | 1.420  | 1.06               | 890                             | PASS                    |             |
|                                | Xylenes (-m + -o + -p)  | 0.216                     | 2.572               | ND   | N/A                | 2170                            | PASS                    |             |
|                                | Method Group            | Analyte / Property        | LOD (mg/g)          | LOQ (mg/g)   | Results (ug/g)     | Results (ug/Unit)               | Limit Amount (ug/g)     | Disposition |
| Heavy Metals                   | Arsenic                 | 0.003                     | 0.009               | 0.026  | 0.02               | 0.2                             | PASS                    |             |
|                                | Cadmium                 | 0.001                     | 0.002               | 0.017  | 0.01               | 0.2                             | PASS                    |             |
|                                | Lead                    | 0.001                     | 0.004               | 0.024  | 0.02               | 0.5                             | PASS                    |             |
|                                | Mercury                 | 0.005                     | 0.014               | ND   | N/A                | 1                               | PASS                    |             |
| Method Group                   | Analyte / Property      | LOD (CFU/g)               | LOQ (CFU/g)         | Results (CFU/g)  | Results (CFU/Unit) | Limit Amount (CFU/g)            | Disposition             |             |
| Microbiological                | Aerobic Plate Count     | 10                        | 10                  | ND   | N/A                | N/A                             | PASS                    |             |
|                                | Total Coliform Bacteria | 10                        | 10                  | ND   | N/A                | N/A                             | PASS                    |             |
|                                | E. Coli                 | 10                        | 10                  | ND   | N/A                | N/A                             | PASS                    |             |
|                                | Yeast & Mold            | 10                        | 10                  | ND   | N/A                | N/A                             | PASS                    |             |
|                                | Salmonella              | 10                        | 10                  | NOT TESTED   | N/A                | N/A                             | N/A                     |             |
|                                |                         |                           |                     |  |                    |                                 |                         |             |

NOTES: <LOQ = Below limit of Quantitation / ND = Not Detected (Below limit of Detection (<LOD)) / 1µg/mL = 1ppm / 1000µg/mL = 1mg/mL / 1% = 10mg/g

Performed by/Date: \_\_\_\_\_

Checked by/Date: \_\_\_\_\_

Notes: This Certificate of analysis only reflects data for the samples indicated on this form, as received by NNA in a good condition. There have been no amendments to the data since publishing. This report contains all parts of the complete report.

