

**Certificate of Analysis for**

bigtree BV
Karveelweg 30
Maastricht, 6222NH

Received: 6/12/2023 @ 20.3 °C
Report ID: 2306403

Sample ID: 2306403-015 **Description:** bigtree Premium 1.5% - 76S7884915

ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 06/12/23

| | | |
|---------------------|--------|-------|
| Aerobic Plate Count | 84,000 | CFU/g |
|---------------------|--------|-------|

CCR.1a: CC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 06/12/23

| | | |
|-------------------------|-------|-------|
| Total Coliform Bacteria | < 100 | CFU/g |
|-------------------------|-------|-------|

EB.1a: EB by mass via AOAC 2003.01 (Petrifilm™) Analyzed 06/12/23

| | | |
|--------------------|-------|-------|
| Enterobacteriaceae | 3,300 | CFU/g |
|--------------------|-------|-------|

ECR.1a: EC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 06/12/23

| | | |
|------------------|-------|-------|
| Escherichia coli | < 100 | CFU/g |
|------------------|-------|-------|

ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 06/15/23

| | | | | | |
|--------------|-------|-------------|--------------|-------|-------------|
| Arsenic (As) | 0.286 | mg/kg (ppm) | Cadmium (Cd) | 0.028 | mg/kg (ppm) |
| Lead (Pb) | 1.06 | mg/kg (ppm) | Mercury (Hg) | 0.029 | mg/kg (ppm) |

MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 06/12/23

| | | | | | |
|----------------------|---------|---|--------------------|---------|---|
| 7-Hydroxymitragynine | < 0.010 | % | Isorhynchophylline | < 0.100 | % |
| Historic Mitragynine | 1.56 | % | Mitraphylline | < 0.100 | % |
| Paynantheine | 0.212 | % | Speciociliatine | 0.401 | % |
| Speciogyneine | 0.159 | % | Total Alkaloids | 2.15 | % |

Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 06/12/23

| | | |
|-----------------|----------|-------|
| Salmonella spp. | Negative | /25 g |
|-----------------|----------|-------|

STA.1a: S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (Petrifilm™) Analyzed 06/12/23

| | | |
|-----------------------|-------|-------|
| Staphylococcus aureus | < 100 | CFU/g |
|-----------------------|-------|-------|

STEC.1: E. coli (O157:H7, O26, O45, O103, O111, O121, O145) via AOAC 091301 (BAX® PCR, STEC Screen) Analyzed 06/12/23

| | | |
|-------------------------------|----------|-------|
| Shiga toxin-producing E. coli | Negative | /25 g |
|-------------------------------|----------|-------|

YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 06/12/23

| | | |
|----------------|--------|-------|
| Yeast and Mold | 31,000 | CFU/g |
|----------------|--------|-------|

Historic Mitragynine is defined as the sum of mitragynine and paynantheine to report results equivalent to AOAC 2017.14.

RPC 6-15-23

Reported By: _____

Thu D Ly, Chemistry Laboratory Technician, 6/16/2023