

**Certificate of Analysis for**

bigtrea BV
Karveelweg 30
Maastricht, 6222NH

Received: 11/9/2022 @ 18.8 °C
Report ID: 2211396

Sample ID: 2211396-007 **Description:** bigtrea Premium 1.5% - 76S7882615

AC.1a: AC by mass via AOAC 990.12 (Petrifilm™) Analyzed 11/17/22

Aerobic Plate Count	300	CFU/g
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CC.1a: CC by mass via AOAC 991.14, 998.03 (Petrifilm™) Analyzed 11/17/22

Total Coliform Bacteria	< 100	CFU/g
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EB.1a: EB by mass via AOAC 2003.01 (Petrifilm™) Analyzed 11/17/22

Enterobacteriaceae	< 100	CFU/g
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EC.1a: EC by mass via AOAC 991.14, 998.08 (Petrifilm™) Analyzed 11/17/22

Escherichia coli	< 100	CFU/g
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ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 11/18/22

Arsenic (As)	0.149	mg/kg (ppm)	Cadmium (Cd)	0.014	mg/kg (ppm)
Lead (Pb)	0.204	mg/kg (ppm)	Mercury (Hg)	0.022	mg/kg (ppm)

MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 11/10/22

7-Hydroxymitragynine	< 0.010	%	Mitragynine	1.55	%
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Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 11/17/22

Salmonella spp.	Negative	/25 g
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STA.1a: S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (Petrifilm™) Analyzed 11/17/22

Staphylococcus aureus	< 100	CFU/g
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STEC.1: E. coli (O157:H7, O26, O45, O103, O111, O121, O145) via AOAC 091301 (BAX® PCR, STEC Screen) Analyzed 11/17/22

Shiga toxin-producing E. coli	Negative	/25 g
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YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 11/17/22

Yeast and Mold	< 100	CFU/g
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Mitragynine concentration includes Paynantheine at approximately 0.2 - 0.4% of the total mitragynine concentration.

RPC 11-28-22

Reported By: _____

Ryan Connelly, Chemistry Laboratory Manager, 11/28/2022