

**Certificate of Analysis for**

bigtrea BV  
Karveelweg 30  
Maastricht, 6222NH

Received: 10/9/2023 @ 22.8 °C

Report ID: 2310322

**Sample ID:** 2310322-002 bigtrea Premium 1,3% - 76S7887713**ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 10/09/23**

Aerobic Plate Count	400	CFU/g
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**CCR.1a: CC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 10/09/23**

Total Coliform Bacteria	< 100	CFU/g
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**EB.1a: EB by mass via AOAC 2003.01 (Petrifilm™) Analyzed 10/10/23**

Enterobacteriaceae	< 100	CFU/g
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**ECR.1a: EC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 10/09/23**

Escherichia coli	< 100	CFU/g
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**ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 10/10/23**

Arsenic (As)	0.216	mg/kg (ppm)	Cadmium (Cd)	0.020	mg/kg (ppm)
Lead (Pb)	0.897	mg/kg (ppm)	Mercury (Hg)	0.020	mg/kg (ppm)

**MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 10/10/23**

7-Hydroxymitragynine	< 0.010	%	Isorhynchophylline	< 0.100	%
Historic Mitragynine	1.32	%	Mitraphylline	< 0.100	%
Paynantheine	0.191	%	Speciociliatine	0.386	%
Speciogyneine	0.133	%	Total Alkaloids	1.84	%

**Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 10/09/23**

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 10/09/23**

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 10/10/23**

Shiga toxin-producing E. coli	Negative	/25 g
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**YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 10/09/23**

Yeast and Mold	< 100	CFU/g
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Historic Mitragynine is defined as the sum of mitragynine and paynantheine to report results equivalent to AOAC 2017.14.

RPC 10-12-23

Reported By:

Ryan Connelly, Chemistry Laboratory Manager, 10/12/2023