

**Certificate of Analysis for**

bigtree BV
Karveelweg 30
Maastricht, 6222NH

Received: 10/9/2023 @ 22.8 °C

Report ID: 2310322

Sample ID: 2310322-001 Bigtree Premium 1,4% - 76S78876BPR**ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 10/09/23**

Aerobic Plate Count	< 100	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)	1.00	mg/kg (ppm)	Cadmium (Cd)	0.015	mg/kg (ppm)
Lead (Pb)	1.02	mg/kg (ppm)	Mercury (Hg)	0.033	mg/kg (ppm)

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

7-Hydroxymitragynine	< 0.010	%	Isorhynchophylline	< 0.100	%
Mitragynine	1.45	%	Mitraphylline	< 0.100	%
Paynantheine	0.229	%	Speciociliatine	0.406	%
Speciogyneine	0.181	%	Total Alkaloids	2.26	%

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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Report ID 2310322 has been amended as follows: The reporting of "Historic Mitragynine" was removed and the sample ID was updated based on revised alkaloid calculations.

RPC 1-22-24

Reported By:

Ryan Connelly, Chemistry Laboratory Manager, 1/22/2024