



Certificate of Analysis for

bigtree BV
 Karveelweg 30
 Maastricht, 6222NH

Received: 3/8/2023 @ 12.3 °C
 Report ID: 2303325

Sample ID: 2303325-001 **Description:** Bigtree Premium 1,5% - 76S7883115

ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 03/08/23

Aerobic Plate Count	< 100	CFU/g
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TC.1a: TC by mass via AOAC 991.14, 998.03 (Petrifilm™) Analyzed 03/08/23

Total Coliform Bacteria	< 100	CFU/g
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EB.1a: EB by mass via AOAC 2003.01 (Petrifilm™) Analyzed 03/08/23

Enterobacteriaceae	< 100	CFU/g
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EC.1a: EC by mass via AOAC 991.14, 998.08 (Petrifilm™) Analyzed 03/08/23

Escherichia coli	< 100	CFU/g
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ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 03/14/23

Arsenic (As)	0.159	mg/kg (ppm)	Cadmium (Cd)	0.015	mg/kg (ppm)
Lead (Pb)	0.236	mg/kg (ppm)	Mercury (Hg)	0.018	mg/kg (ppm)

MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 03/09/23

7-Hydroxymitragynine	< 0.010	%	Isorhynchophylline	< 0.100	%
Historic Mitragynine	1.46	%	Mitraphylline	< 0.100	%
Paynantheine	0.204	%	Speciociliatine	0.357	%
Speciogyneine	0.153	%	Total Alkaloids	1.97	%

Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 03/08/23

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 03/08/23

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 03/08/23

Shiga toxin-producing E. coli	Negative	/25 g
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YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 03/08/23

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 3-10-23

Reported By:

Ryan Connelly, Chemistry Laboratory Manager, 3/14/2023