



Certificate of Analysis for

bigtree BV
Karveelweg 30
Maastricht, 6222NH

Received: 4/17/2025 @ 17.8 °C
Report ID: 2504819

Sample ID: 2504819-003 XRELEAF Extract Full Spectrum x% - 76S79016XRLF

ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 04/18/25

Aerobic Plate Count	< 100	CFU/g
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CCR.1a: CC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 04/18/25

Total Coliform Bacteria	< 100	CFU/g
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EB.1a: EB by mass via AOAC 2003.01 (Petrifilm™) Analyzed 04/21/25

Enterobacteriaceae	< 100	CFU/g
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ECR.1a: EC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 04/18/25

Escherichia coli	< 100	CFU/g
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ICPMS.1Metals via AOAC 2015.01 Modified (ICP/MS) Analyzed 04/23/25

Arsenic (As)	0.0756	mg/kg (ppm)	Cadmium (Cd)	< 0.0100	mg/kg (ppm)
Lead (Pb)	0.00783	mg/kg (ppm)	Mercury (Hg)	< 0.00500	mg/kg (ppm)

MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 04/23/25

7-Hydroxymitragynine	< 0.100	%	Isorhynchophylline	< 0.100	%
Mitragynine	32.5	%	Mitraphylline	< 0.100	%
Paynantheine	5.42	%	Speciociliatine	4.91	%
Speciogynine	3.47	%	Total Alkaloids	46.3	%

Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 04/21/25

Salmonella spp.	Negative	/10 g
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STA.1a: S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (Petrifilm™) Analyzed 04/18/25

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 04/21/25

Shiga toxin-producing E. coli (stx-eae)	Negative	/10 g
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YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 04/18/25

Yeast and Mold	< 100	CFU/g
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Reported By: _____

Jake S Hedges, Chemistry Laboratory Supervisor, 4/24/2025