

**Certificate of Analysis for**

bigtree BV  
Karveelweg 30  
Maastricht, 6222NH

Received: 1/16/2025 @ 20.5 °C

Report ID: 2501651

**Sample ID:** 2501651-005 bitrea Ultra Enhanced 3.5% - 76S78991UE35**ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 01/17/25**

Aerobic Plate Count	100	CFU/g
---------------------	-----	-------

**CCR.1a: CC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 01/17/25**

Total Coliform Bacteria	< 100	CFU/g
-------------------------	-------	-------

**EB.1a: EB by mass via AOAC 2003.01 (Petrifilm™) Analyzed 01/17/25**

Enterobacteriaceae	< 100	CFU/g
--------------------	-------	-------

**ECR.1a: EC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 01/17/25**

Escherichia coli	< 100	CFU/g
------------------	-------	-------

**ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 01/20/25**

Arsenic (As)	0.122	mg/kg (ppm)	Cadmium (Cd)	0.0140	mg/kg (ppm)
Lead (Pb)	0.523	mg/kg (ppm)	Mercury (Hg)	0.0137	mg/kg (ppm)

**MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 01/22/25**

7-Hydroxymitragynine	< 0.0100	%	Isorhynchophylline	< 0.100	%
Mitragynine	3.63	%	Mitraphylline	< 0.100	%
Paynantheine	0.623	%	Speciociliatine	0.465	%
Speciogyneine	0.396	%	Total Alkaloids	5.12	%

**Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 01/17/25**

Salmonella spp.	Negative	/25 g
-----------------	----------	-------

**STA.1a: S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (Petrifilm™) Analyzed 01/17/25**

Staphylococcus aureus	< 100	CFU/g
-----------------------	-------	-------

**STEC.1: E. coli (O157:H7, O26, O45, O103, O111, O121, O145) via AOAC 091301 (BAX® PCR, STEC Screen) Analyzed 01/17/25**

Shiga toxin-producing E. coli (stx-eae)	Negative	/25 g
---	----------	-------

**YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 01/17/25**

Yeast and Mold	< 100	CFU/g
----------------	-------	-------

Reported By: \_\_\_\_\_

Jake S Hedges, Chemistry Laboratory Technician, 1/23/2025