

**Certificate of Analysis for**

bigtrea BV
Karveelweg 30
Maastricht, 6222NH

Received: 1/31/2024 @ 20.2 °C

Report ID: 2401C87

Sample ID: 2401C87-002 bigtrea Premium 1,3 76S78903BPR**ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 01/31/24**

Aerobic Plate Count	14,000	CFU/g
---------------------	--------	-------

CCR.1a: CC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 01/31/24

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

EB.1a: EB by mass via AOAC 2003.01 (Petrifilm™) Analyzed 01/31/24

Enterobacteriaceae	1,600	CFU/g
--------------------	-------	-------

ECR.1a: EC by mass via AOAC OM 2018.13 (Petrifilm™) Analyzed 01/31/24

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

ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 02/02/24

Arsenic (As)	0.112	mg/kg (ppm)	Cadmium (Cd)	0.022	mg/kg (ppm)
Lead (Pb)	0.276	mg/kg (ppm)	Mercury (Hg)	0.177	mg/kg (ppm)

MIT.2: Kratom Alkaloids via HPLC-DAD Analyzed 02/02/24

7-Hydroxymitragynine	< 0.010	%	Isorhynchophylline	< 0.100	%
Mitragynine	1.31	%	Mitraphylline	< 0.100	%
Paynantheine	0.306	%	Speciociliatine	0.456	%
Speciogyneine	0.203	%	Total Alkaloids	2.28	%

Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 01/31/24

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

STA.1a: S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (Petrifilm™) Analyzed 01/31/24

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 01/31/24

Shiga toxin-producing E. coli	Negative	/25 g
-------------------------------	----------	-------

YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 01/31/24

Yeast and Mold	3,000	CFU/g
----------------	-------	-------

Reported By:

Ryan Connelly, Chemistry Laboratory Manager, 2/6/2024