



# Certificate of Analysis (BIOLOGICAL)

15 JUNE 2018

## QUANTUM BOTANICALS

Total Aerobics, Yeast & Mold, Coliforms, E. coli, Salmonella, & Staphylococcus

USP NF  
Aerobic Plate Count

Sample	Lot #	Spec*	Result*
Blend	00071	5x10 <sup>5</sup> CFU/g	<5x10 <sup>5</sup> CFU/g

USP NF  
Total Yeast

Spec	Result
10 <sup>5</sup> CFU/g	<10 <sup>5</sup> CFU/g

USP NF  
Total Mold

Spec	Result
10 <sup>5</sup> CFU/g	<10 <sup>5</sup> CFU/g

FDA(BAM)CH.4  
Coliforms  
3 tube MPN

FDA(BAM)CH.4  
E. Coli  
3 tube MPN

USP NF  
Salmonella  
ELFA

USP NF  
Staphylococcus  
Aureus

Sample	Lot #	Spec	Result	Spec**	Result**	Spec	Result	Spec	Result
Blend	00071	10 <sup>4</sup> CFU/g	<10 <sup>4</sup> CFU/g	POS/NEG	NEG	POS/NEG	NEG	POS/NEG	NEG

\*\* Results are in CFU/g. The detection level for testing Yeast, Mold, and Salmonella is <10 CFU/g. FDA BAM detection level for Coliforms and E.Coli is <3 CFU/g.

\* Typical Aerobic Plate Count Range for Mitragyna speciosa is 500,000 CFU/g.

Sample Set: 115640  
 Test Date: 06/07/18  
 Bio Final: PASS



**SEAL OF AUTHENTICITY**  
 VERIFIED BY: *[Signature]*  
 Quality Assurance: *Michelle Herris*