



EXCELSIOR ALCHEMY

INTEGRITY, PASSION, EXCELLENCE

Certificate of Analysis

Product Name	MacaForce	Date of Manufacture	October, 2020
Formula Code	MF400	Expiration Date	October, 2023
Lot	21014030	Country of Manufacture	United States
Version #	3.5	Customer	HealthForce SuperFoods

Analysis	Specification	Result	Method
Physical			
Appearance	Powder	Powder	Organoleptic
Color	Tan/Light Brown	Tan/Light Brown	Organoleptic

Heavy Metals			
Arsenic (Total)	NMT 1 ppm	0.654 ppm	EPA-600/R-94-111 ICP-MS
Cadmium	NMT 0.4 ppm	0.242 ppm	EPA-600/R-94-111 ICP-MS
Lead	NMT 0.4 ppm	0.235 ppm	EPA-600/R-94-111 ICP-MS
Mercury	NMT 0.2 ppm	< 0.00500 ppm	EPA-600/R-94-111 ICP-MS

Chemical			
Composition	Conforms to reference	Conforms	HPTLC
Identity	Conforms to reference	Conforms	HPTLC
Macamide/Macaene	NLT 1 mg/g	1.66 mg/g	UPLC
Gluten Allergen	NMT 10 ppm	< 10 ppm	EZ Gluten
Purity	Presence of bands characteristics of Lucuma fruit	Conforms	HPTLC

Microbiological			
Total Plate Count	< 750,000 CFU/g	26,600 CFU/g	3M Petrifilm
Yeast & Mold	< 1,000 CFU/g	< 100 CFU/g	3M Petrifilm
Enterobacteriaceae	< 5,000 CFU/g	< 100 CFU/g	3M Petrifilm
Coliforms	< 5,000 CFU/g	< 100 CFU/g	3M Petrifilm
<i>E. coli</i>	None Present	None Detected	3M Petrifilm
<i>S. aureus</i>	None Present	None Detected	3M Petrifilm
<i>Salmonella</i>	None Present	None Detected	3M Petrifilm

Note: ppm = Parts Per Million **NMT** = Not More Than **mg/g** = Milligram Per Gram
 cfu/g = Colony-Forming Units Per Gram **NLT** = Not Less Than

Approved By:

Michelle Leonardo
Quality Manager

10/28/2020

Date