



EXCELSIOR ALCHEMY

INTEGRITY, PASSION, EXCELLENCE

Certificate of Analysis

Product Name	Maca Root Organic	Date of Manufacture	December, 2018
Formula Code	MR16	Expiration Date	December, 2021
Lot	81212035	Country of Manufacture	United States
Version	1	Customer	Excelsior Alchemy

Analysis	Specification	Result	Method
Physical			
Appearance	Powder	Powder	Organoleptic
Color	Light Tan	Light Tan	Organoleptic
Heavy Metals			
Arsenic (Total)	NMT 0.5 ppm	0.038 ppm	EPA-600/R-94-111 ICP-MS
Cadmium	NMT 0.7 ppm	0.412 ppm	EPA-600/R-94-111 ICP-MS
Lead	NMT 0.45 ppm	0.373 ppm	EPA-600/R-94-111 ICP-MS
Mercury	NMT 0.25 ppm	< 0.001 ppm	EPA-600/R-94-111 ICP-MS
Chemical			
Composition	Conforms to reference	Conforms	HPTLC
Identity	Conforms to reference	Conforms	HPTLC
Gluten Allergen	NMT 10 ppm	< 10 ppm	EZ-Gluten
Microbiological			
Total Plate Count	< 10,000 CFU/g	< 100 CFU/g	3M Petrifilm
Yeast & Mold	< 1,000 CFU/g	< 100 CFU/g	3M Petrifilm
Enterobacteriaceae	< 100 CFU/g	< 100 CFU/g	3M Petrifilm
Coliforms	< 100 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
cfu/g = Colony-Forming Units Per Gram

NMT = Not More Than
NLT = Not Less Than

Approved By:

Michelle Leonardo
Quality Manager

01/24/2019

Date