



# EXCELSIOR ALCHEMY

INTEGRITY, PASSION, EXCELLENCE

## Certificate of Analysis

<b>Product Name</b>	Turmeric Root	<b>Date of Manufacture</b>	January, 2019
<b>Formula Code</b>	TR16	<b>Expiration Date</b>	January, 2022
<b>Lot</b>	81212037	<b>Country of Manufacture</b>	United States
<b>Version</b>	1	<b>Customer</b>	Excelsior Alchemy

Analysis	Specification	Result	Method
<b>Physical</b>			
<b>Appearance</b>	Powder	Powder	Organoleptic
<b>Color</b>	Golden Orange	Golden Orange	Organoleptic
<b>Heavy Metals</b>			
<b>Arsenic (Total)</b>	NMT 0.5 ppm	< 0.079 ppm	EPA-600/R-94-111 ICP-MS
<b>Cadmium</b>	NMT 0.5 ppm	< 0.020 ppm	EPA-600/R-94-111 ICP-MS
<b>Lead</b>	NMT 0.5 ppm	0.0751 ppm	EPA-600/R-94-111 ICP-MS
<b>Mercury</b>	NMT 0.15 ppm	< 0.0098 ppm	EPA-600/R-94-111 ICP-MS
<b>Chemical</b>			
<b>Composition</b>	Conforms to reference	Conforms	HPTLC
<b>Identity</b>	Conforms to reference	Conforms	HPTLC
<b>Gluten Allergen</b>	NMT 10 ppm	< 10 ppm	EZ-Gluten
<b>Microbiological</b>			
<b>Total Plate Count</b>	< 750,000 CFU/g	140,000 CFU/g	3M Petrifilm
<b>Yeast &amp; Mold</b>	< 1,000 CFU/g	< 100 CFU/g	3M Petrifilm
<b>Enterobacteriaceae</b>	< 5,000 CFU/g	< 100 CFU/g	3M Petrifilm
<b>Coliforms</b>	< 5,000 CFU/g	< 100 CFU/g	3M Petrifilm
<b><i>E. coli</i></b>	None Present	None Detected	3M Petrifilm
<b><i>S. aureus</i></b>	None Present	None Detected	3M Petrifilm
<b><i>Salmonella</i></b>	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

01/16/2019

Date