



EXCELSIOR ALCHEMY

INTEGRITY, PASSION, EXCELLENCE

Certificate of Analysis

Product Name	Hemp Hearts Organic	Date of Manufacture	May, 2019
Formula Code	HH16	Expiration Date	May, 2022
Lot	90424056	Country of Manufacture	United States
Version	1	Customer	Excelsior Alchemy

Analysis	Specification	Result	Method
Physical			
Appearance	Powder	Powder	Organoleptic
Color	White w/Green Specs	White w/Green Specs	Organoleptic
Heavy Metals			
Arsenic (Total)	NMT 0.1 ppm	0.023 ppm	ARL ICPMS 2.60
Cadmium	NMT 0.1 ppm	0.019 ppm	ARL ICPMS 2.60
Lead	NMT 0.1 ppm	0.005 ppm	ARL ICPMS 2.60
Mercury	NMT 0.1 ppm	0.001 ppm	ARL ICPMS 2.60
Chemical			
Composition	Conforms to reference	Conforms	HPTLC
Identity	Conforms to reference	Conforms	HPTLC
Protein	NLT 30%	36.24 %	Combustion
Peroxide Value	NMT 10 meq/kg	8.42 meq/kg	AOAC 965.33
P-Anisidine Value	NMT 10	1.04	AOCS Cd 18-90
Totox Value	NMT 10	9.46	AOAC 965.33/ AOCS Cd 18-90
Solvent	Class 1&2 within USP Limits	Conform	USP
Gluten Allergen	NMT 10 ppm	< 10 ppm	EZ-Gluten
Microbiological			
Total Plate Count	< 750,000 CFU/g	7,000 CFU/g	3M Petrifilm
Yeast & Mold	< 1,000 CFU/g	100 CFU/g	3M Petrifilm
Enterobacteriaceae	< 5,000 CFU/g	3,200 CFU/g	3M Petrifilm
Coliforms	< 5,000 CFU/g	100 CFU/g	3M Petrifilm
E. coli	None Present	None Detected	3M Petrifilm
S. aureus	None Present	None Detected	3M Petrifilm
Salmonella	None Present	None Detected	3M Petrifilm

Note: ppm = Parts Per Million NMT = Not More Than meq/kg = Milliequivalents Per Kilogram
 cfu/g = Colony-Forming Units Per Gram NLT = Not Less Than

Approved By:

Michelle Leonardo
Quality Manager

05/08/2019

Date