Certificate of Analysis

Effective Date: 2/9/24

Type: Certificate of Analysis

Material Information

Material Name	Milk Thistle Seed, Whole	**Lot Number**	MILT-9939
Latin Name	Silybum marianum (Asteraceae)		

Physical Characteristics

Color	Gray-brown to black, lightly mottled	**Aroma**	Low intensity; faint oily-nutty, clean	**Taste**	Mild, slightly bitter, faintly nutty/oily
Part	Seed (achene)	**Form**	Whole	**Size**	Various
Sterilization Method	NOT TREATED				

Allergen Information

Allergen Category	NONE	**Allergen Name**	NONE	**Allergen Form**	NONE

Material Dates

Material Shelf-Life	3 YEARS	**Manufacture Date**	02.17.26	**Retest Date**	02.17.29

Certifications

Certified Organic	N/A	**Certified Kosher**	KOSHER	**Wild Crafted**	N/A

Product Chemistry Information

Test Name	Method	Release Limit	Results	Determination	Sampling Info	Notes
Total Plate Count	Petrifilm AOAC 990.12	500,000 CFU/G	40 CFU/G	Pass	1 pound	
Yeast	Petrifilm AOAC 2014.05	1,000 CFU/G	<10 CFU/G	Pass	1 pound	
Mold	Petrifilm AOAC 2014.05	5,000 CFU/G	<10 CFU/G	Pass	1 pound	
Total Coliform	Petrifilm AOAC 991.14	1,000 CFU/G	<10 CFU/G	Pass	1 pound	
E. Coli	Petrifilm AOAC 991.14	<10 CFU/G OR NEG/25G	<10 CFU/G	Pass	1 pound	
Salmonella	BAX (PCR) AOAC 2013.0	NEGATIVE /25G	NEGATIVE/25G	Pass	1 pound	
Arsenic*	#C55 AOAC 2015.01	1 PPM	NOT DETECTED	Pass	1 pound	
Cadmium*	#C55 AOAC 2015.01	1 PPM	0.02 PPM	Pass	1 pound	
Lead*	#C55 AOAC 2015.01	3 PPM	NOT DETECTED	Pass	1 pound	
Mercury*	#C55 AOAC 2015.01	1 PPM	NOT DETECTED	Pass	1 pound	

Foreign Material Information

Foreign Matter	Method	Release Limit	Results	Determination	Sampling Info	Notes
Organic	Visual and Metal Detection	< 2.0% Pieces by Weight	Pass	Pass	1 pound	< 4.0mm ferrous metals < 4.0mm Nonferrous metals < 4.0mm Stainless Steel
Inorganic	Visual and Metal Detection	< 2.0% Pieces by Weight	Pass	Pass	1 pound	< 4.0mm ferrous metals < 4.0mm Nonferrous metals < 4.0mm Stainless Steel

No pesticides were used to grow this product. This product is free of any additives or preservatives. No solvents were used to produce this product, nor excipients.
Store under cool, dry conditions in sealed container.
This is a natural product. Organoleptic properties may vary between each lot due to crop fluctuation, treatment, harvest and other natural processes.
This information is presented in the belief that it is accurate and reliable; however, no warranty, either expressed or implied is made and no freedom from liability
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