

Certificate of Analysis

Product Name	Flax Seed Extract	Botanical Source	<i>Linum usitatissimum L.</i>
Batch No.	YMZ20220122	Manufacturing Date	Jan.22th,2022
Batch Quantity	2,500kg	Expiration Date	Jan.21th,2024

Item	Specification	Result	Method
Assay(Lignans)	$\geq 10\%$	11.30%	HPLC
Physical Description			
Appearance	Light Yellow Powder	Conforms	Visual
Odor	Characteristic	Conforms	Organoleptic
Taste	Characteristic	Conforms	Organoleptic
Part Used	Seed	Conforms	/
Particle Size (80 mesh)	100% pass 80mesh	Conforms	80 mesh screen
Loss on Drying	$\leq 5.0\%$	2.58%	GB5009.3
Ash Content	$\leq 5.0\%$	1.55%	GB5009.4
Heavy metals			
Total Heavy Metals	$\leq 10\text{ppm}$	Conforms	ICP-MS
As	$\leq 2\text{ppm}$	Conforms	ICP-MS
Pb	$\leq 1\text{ppm}$	Conforms	ICP-MS
Cd	$\leq 0.1\text{ppm}$	Conforms	ICP-MS
Hg	$\leq 0.1\text{ppm}$	Conforms	ICP-MS
Microbiological Tests			
Total Plate Count	$\leq 10,000\text{cfu/g}$	Conforms	AOAC
Total Yeast & Mold	$\leq 1,000\text{cfu/g}$	Conforms	AOAC
E. Coli	Negative	Negative	AOAC
Salmonella	Negative	Negative	AOAC
Packing & Storage	Packed in paper-drums and two plastic-bags inside. Store in a well-closed container Away from moisture, light, oxygen.		
Shelf life	Two years when stored properly.		

Analyst: Guo ShanDate: 2022.01.22Approved: Gloria Yang, Ph.D.Date: 2022.01.24