

Certificate of Analysis

Product Name	Black Pepper Extract		
Latin Name	Piper nigrum L.	Part Used	Dried Fruit
Bulk Supplements Lot #	2317811	Serving Size	20 mg
Manufacture Date	12-09-2023		
Expiration Date	11-30-2026		
Item	Specifications	Method	Results
Description	Off-white to pale yellow fine powder	Organoleptic	Pale yellow fine powder
Odor	Slightly acrid odor		Acrid odor
Assay (Piperine, as-is)	NLT 95%	Nitrogen Analyzer	106.4%
Heavy Metals			
Arsenic	NMT 2.0 ppm	ICP-MS	ND
Cadmium	NMT 1.0 ppm		ND
Lead	NMT 3.0 ppm		ND
Mercury	NMT 0.5 ppm		ND
ND: Not Detected. Concentration is below the limit of detection.			
Microbiological			
Total Plate Count	NMT 10,000 cfu/g	Petrifilm	<100 cfu/g
Yeast and Mold	NMT 1,000 cfu/g		<100 cfu/g
Total Coliform	NMT 10 cfu/g		<10 cfu/g
E. coli	Absent in 10 g		Absent in 10 g
Salmonella	Absent in 10 g	Compact Dry	Absent in 10 g

Store in tight, light-resistant containers. Avoid exposure to direct sunlight, moisture, and excessive heat.

Prepared by: *Shawn Carthage*

Date: 12-28-2023

Quality Reviewed & Approved by: *Ann Al'Bay*

Date: 12/28/2023