

Certificate of Analysis

Product Name:	Black Pepper Extract
Botanical Name:	<i>Piper nigrum</i>
Part Used:	Fruit
Extraction Solvent(s):	Ethanol & Water
Country of Origin:	China
Batch Number:	Varies
Manufacture Date:	Varies
Retest Date:	Varies

Test Results Obtained by PureBulk

ITEMS	SPECIFICATIONS	RESULTS
Loss on Drying (USP<731>)	≤8.0%	0.11%
Piperine (HPLC)	≥95%	96.25%
Arsenic	≤2 ppm	<0.0100 ppm
Cadmium	≤1 ppm	<0.00500 ppm
Lead	≤2 ppm	<0.00500 ppm
Mercury	≤0.1 ppm	<0.00500 ppm
Aerobic Plate Count	≤1000 cfu/g	<20 cfu/g
Coliforms	≤100 cfu/g	<20 cfu/g
<i>E. Coli</i>	Negative	Absent
<i>Staph aureus</i>	Negative	Absent
Yeast & Mold	≤100 cfu/g	<20 cfu/g
<i>Salmonella</i>	Negative	Absent
<i>Pseudo. aeruginosa</i>	Negative	Absent
Conclusion (PureBulk):	This product conforms to standards	

The following information is an indirect translation of information provided from the Manufacturer's Certificate of Analysis, and should not be used solely as an instrument for strict quality control.

ITEMS	SPECIFICATIONS	RESULTS
Appearance	Light yellow powder	Conforms
Odor	Characteristic	Conforms
Taste	Characteristic	Conforms
Ash	≤8.0%	0.03%
Loose Density	0.300-0.600 g/ml	0.4023 g/ml
Tapped Density	0.400-0.800 g/ml	0.6547 g/ml
Particle Size	98% pass 80 mesh	Conforms
Solubility	Not soluble in water but in ethanol	Conforms
Conclusion (Manufacturer):	This product conforms to enterprise standards	

Additional Information: Gluten Free || Allergen Free || Vegan/Vegetarian || BSE/TSE Free

Sterilization: Non-Irradiation || Non-EtO

GMO Statement: Non-GMO

Composition: 100% Black Pepper Extract

Storage Conditions: **Keep in sealed container under 25°C.**

Keep away from strong light, heat and moisture.

Purebulk.Inc verifies that the information contained herein is true and correct to the best of our knowledge.

Verified By: Candace Gibson / Nicole Rammage

(This document was produced electronically and is valid without signature.)