

## Certificate of Analysis

Organic Black Pepper  
Product Code PEPFN60  
Lot# 32517\*

### Botanical Information

Product Name: Organic Black Pepper  
Species: *Piper nigrum*  
Plant Part Used: Peppercorns; dried and cut  
Variety and Grade: Certified Organic  
Origin: India  
Ingredient Statement: Organic black pepper

### Physical Characteristics

Appearance: Grayish brown, uniform, free flowing particles  
Aroma: Sharp, warm and spicy  
Flavor: Spicy and pungent  
Particle Size: Powder  
US Standard Sieve Size: Conforms to specification  
Moisture: 11%  
Volatile Oil: 2.91% (ASTA METHOD 5.2 & 16.0)  
Extraneous Matter: <2%  
Additives: Free of any additives or preservatives

### Microbial Data

Analyte	Result	Unit	Method
Total Plate Count:	950	cfu/g	CMMEF, APHA CHP 7, FDA BAM ONLINE CHP 3, AOAC 990.12
Yeast:	30	cfu/g	CMMEF APHA CHP 20
Mold:	30	cfu/g	CMMEF APHA CHP 20
Coliform:	<10	cfu/g	AOAC 991.14
<i>E. coli</i> :	<10	cfu/g	AOAC 991.14
<i>Salmonella</i> :	Negative	/750g	FDA BAM CHP 5 AOAC 2004.3, 2011.03

Production Date: 03/24/2017

Date Issued: 04/25/2017

\*Product has been steam treated