

# CERTIFICATE OF ANALYSIS

## General Product Information

Parameter	Details
Product Name	Whole Black Pepper
Product Code	WBP-00582
Dietary Information	Vegetarian / Vegan
GMO Status	NON-GMO
Regulatory Compliance	FSSAI Approved. Customer should verify the country's compliance against the final product after final application.
Ingredient Declaration	100% Whole Black Pepper
Country of Origin	India (Idukki, Kerela)

## Test Results & Technical Specifications

### 1. Organoleptic & Sensory Characteristics

Test Parameter	Specification	Test Method	Result
Appearance	Deep brown to black wrinkled globose berries	Visual Inspection	Conforms
Aroma	Pungent, sharp, and characteristically aromatic	Sensory Evaluation	Conforms

### 2. Physical & Chemical Analysis

Test Parameter	Specification	Result
Moisture Content	≤ 12.0%	11.2%
Volatile Oil Content	≥ 2.0%	2.5%
Piperine Content	≥ 4.0%	4.3%
Foreign Matter	≤ 1.0%	0.4%
Total Ash Content	≤ 7.0%	6.2%

### 3. Heavy Metals

Test Parameter	Specification	Result
Lead (Pb)	≤ 2 ppm	0.8 ppm
Arsenic (As)	< 1 ppm	Conforms

# CERTIFICATE OF ANALYSIS

## 4. Microbial Limits

Test Parameter	Specification	Result
Total Plate Count	≤ 100,000 cfu/g	42,000 cfu/g
Yeast and Mold	≤ 1,000 cfu/g	310 cfu/g
Salmonella	Negative / 25g	Negative

## Storage, Packaging & Compliance Statements

<b>Shelf Life &amp; Storage</b>	12 months from the date of manufacture when stored unopened in an ambient, cool, clean, and dry location away from direct sunlight and humid conditions.
<b>Allergen Statement</b>	Complies with regulation (EU) No. 1169/2011. Free from major common food allergens.
<b>Packaging Details</b>	Packed in multi-layer food-grade bags as per customer requirement.
<b>Labeling Information</b>	Product Name, Lot/Batch No, Vegetarian Logo, Ingredient List, Manufacturer Address with FSSAI Number, Net Content, Date of Manufacturing, and Best Before Date.

**Prepared On** 20.05.2026  
**Prepared By** Vinay, Quality Assistant