

PRODUCT SPECIFICATION

INCI/Botanical Name	<i>PIPER NIGRUM</i>	Date of Expiry	03 Years
Product Name	Black Pepper Extract	Extraction Solvent	Ethyl Acetate
Product No	PN/FE/BPR-2210014/23	Extraction Ratio	---
Parts of Plant	Fruit	Origin	India
Cas No	8006-82-4	HSN Code	13021919
TEST		SPECIFICATION	
METHOD			
A. Physical Parameters:			
Appearance	Crystalline powder	Visual	
Color	Yellowish white	Visual	
Odor	Typical Pungent Odor	Organoleptic	
Taste	Characteristic	Organoleptic	
Loss on Drying (105⁰C)	Nil	ASTA 2.0	
B. Active Ingredients:			
Piperine by HPLC	NLT 95.0% w/w	FCC	
C. Heavy Metals:			
Lead (PB)	NMT 0.05 mg/kg	AOAC	
Arsenic (AS)	NMT 0.05 mg/kg	AOAC	
Cadmium (CD)	NMT 0.02 mg/kg	AOAC	
Mercury (HG)	NMT 0.01mg/kg	AOAC	
D. Residual Solvent:			
Ethyl Acetate	NMT 50.0 ppm	FCC	
E. Microbiological Test:			
Total Viable Aerobic Count	NMT 1000 cfu/g	FDA BAM	
Total Yeast & Mold Count	NMT 100 cfu/g	FDA BAM	
Escherichia coli	Absent	FDA BAM	
Salmonella	Absent	FDA BAM	
Pseudomonas aeruginosa	Absent	FDA BAM	
Staphylococcus aureus	Absent	FDA BAM	
F. Mycotoxin:			
Aflatoxins (B1+B2+G1+G2)	NMT 5 µg/kg	ASTA 24.2	
Pesticides	Conforms	USP 561	
G. Other:			
Standard Packing: 25 Kg in single HDPE Container.			
The material is free from Allergens / GMO/ BSE - TSE.			
The material is not tested on animals.			
The material is non-irradiated & not treated with ETO.			
The above material complies with in-house specifications.			
Store in a cool and dry place away from sunlight and heat. The preferred storage is below 30 ° C.			
The Product Is of Herbal Origin. There May Be Minor Color Difference Due To Geographical and Seasonal Variation of the Plant Material.			

Note: This Is Computer Generated Specification & Does Not Require A Physical Signature.

