

SPECIFICATION

Product Name: Piperine Dry Extract 5:1
Chemical Formula: C ₁₇ H ₁₉ NO ₃
CAS Number: 94-62-2
Molecular Weight: 285.34 g/mol
Appearance: Brown Fine Powder
Odor: Odor

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max)
Extract Ratio	-	Complied	5:1
Loss on Drying	%	4.49%	<5.0%
Sieve Analysis	-	Complied	Pass 80 mesh
Bulk Density	g/ml	49.2g/100ml	45-55g/100ml
Heavy Metal	PPM	Complied	NMT 20 PPM
As	PPM	Complied	NMT 2 PPM
Total Plate Count	cfu/g	Complied	NMT 500 cfu/g
Yeast & Mold	cfu/g	Complied	NMT 100 cfu/g
E. Coli	-	Complied	Negative
Salmonella	-	Complied	Negative

Physical Properties

- Solubility: Slightly soluble in water. Soluble in ethanol. Soluble in acetone. Soluble in methanol. Soluble in Propylene Glycol. Slightly soluble in Glycerin.

Shelf Life & Storage

- Shelf Life: 3 years from date of manufacture under recommended storage.

- Storage Conditions: Store in a tightly closed container in a cool, dry, and well-ventilated place, protected from moisture, heat, light, and contamination.

Applications

- Use: Widely used in nutraceutical, herbal, dietary supplement, food, and wellness formulations. It is valued for its piperine content and its ability to enhance the bioavailability of various nutrients and herbal ingredients.
- Dosage: Depends on Piperine content of the extract, Intended application, Product formulation, Regulatory requirements, Target consumer group.

Packaging

- Standard Packing: 25 kg woven pp bags with inner liner and 1 Kgs or as per customer requirement.
 - Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.
- * Specifications are based on the manufacturer's provided specifications.