

SPECIFICATION

Product Name: Piperine Dry Extract 10:1
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)
Assay/ Extract Ratio	-	Complied	10: 1
Loss on Drying	%	4.45%	<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

Microbiological Tests

Total Plate Count	cfu/g	Complied	NMT 500cfu/g
Yeast and Molds	cfu/g	Complied	NMT 100cfu/g
Escherichia coli	-	Complied	Negative
Salmonella	-	Complied	Negative

Physical Properties

- Solubility: Partially insoluble in water. Soluble in ethanol. Soluble in methanol. Soluble in acetone. Soluble in chloroform. Slightly soluble in ether.

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, humidity, heat, and direct sunlight.

Applications

- Use: Widely used in nutraceutical, dietary supplement, herbal, sports nutrition, and functional food formulations.
- Dosage: Depends on Piperine content and standardization, Extract concentration, Intended application, Product formulation, Regulatory requirements.

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.