

SPECIFICATION

Product Name: Guaranteed Extract 4:1
Chemical Formula: N/A
CAS Number: N/A
Molecular Weight: N/A
Appearance: Brown colour powder
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min./Max.)
pH of w/v aq. Solution	-	5.35	4 – 7
Loss on drying	%	3.40%	NMT 6%
Extraction value of 1% solution in methanol	%	84.55%	NLT 80%
Particle Size	-	Complies	NLT 80% pass through 70 mesh
Ash content	-	4:1	-
Assay (On dried basis) Gingerols content	-	Positive	Should be present

Microbiological Test

Total Aerobic Bacteria	cfu/g	Complies	NMT 1000 cfu/g
Yeast & molds	cfu/g	Complies	NMT 100 cfu/g
E. coli	-	Absent	Absent
Salmonella	-	Absent	Absent
Staphylococcus aureus	-	Absent	Absent
Pseudomonas aeruginosa	-	Absent	Absent

Physical Properties

- Solubility: Soluble in water. Soluble in ethanol. Insoluble in acetone. Insoluble in oils.

Shelf Life & Storage

- Shelf Life: 3 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a cool, dry place at 15–25°C, away from direct sunlight, heat, and moisture. Keep the container tightly closed in the original packaging and store in a well-ventilated area to maintain product quality and stability.

Applications

- Use: Widely used as a herbal ingredient in dietary supplements, nutraceuticals, functional foods, and herbal formulations. Its specific application depends on the botanical source, but it is commonly included to support overall wellness, general health, and traditional herbal uses. It is widely used in capsules, tablets, powders, and beverage formulations.
- Dosage: Depends on the botanical source, extract concentration, and intended formulation. It should be used according to product formulation requirements or as directed by a qualified healthcare professional. The appropriate dosage varies based on the specific herb, product type, intended use, age, and individual health needs.

Packaging

- Standard Packing: 25 Kgs pp bag 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.