

SPECIFICATION

Product Name: Curcumin Dry Extract 5:1
Chemical Formula: $C_{21}H_{20}O_6$
CAS Number: 458-37-7
Molecular Weight: 368.38 g/mol
Appearance: Brown Color Powder
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max)
Assay/Extract Ratio	-	Complied	5:1
Loss on drying	%	3.19%	≤5.0%
Sieve Analysis	-	Complied	Pass 80 mesh
Bulk Density	g/ml	49.2g/100ml	45-55g/100ml
Heavy Metal	PPM	Complied	NMT 20ppm
AS	PPM	Complied	NMT 2 PPM

Microbiological Tests

Total Plate Count	cfu/gm	Complied	NMT 5000cfu/g
Yeast and Molds	cfu/gm	Complied	NMT 1000cfu/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 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, excessive heat, and direct sunlight.

Applications

- Use: Widely used in nutraceutical, dietary supplement, herbal, functional food, sports nutrition, and wellness formulations. It is valued for its naturally occurring curcuminoids, polyphenols, and antioxidant compounds.
- Dosage: Depends on Extract concentration and standardization, Intended application, Product formulation, Target consumer population, 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.