

SPECIFICATION

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

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min./Max.)
Assay/ Palmitic acid	%	0.007%	4:1
Loss on drying	%	3.19%	NMT 5%
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 Test

Total Plate Count	cfu/g	Complied	NMT 5000 cfu/g
Yeast & molds	cfu/g	Complied	NMT 1000 cfu/g
E. coli	-	Complied	Negative
Salmonella	-	Complied	Negative

Physical Properties

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

Shelf Life & Storage

- Shelf Life: 2 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, and functional foods. It is traditionally used to support energy, stamina, endurance, vitality, reproductive health, and overall wellness. It is also valued for its adaptogenic properties and is commonly included in capsules, tablets, powders, and health beverage formulations.
- Dosage: Depends on the intended formulation, extract concentration, and product specifications. It should be used according to product formulation requirements or as directed by a qualified healthcare professional.

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.