

SPECIFICATION

Product Name: Maca Root Extract 10:1
Chemical Formula: N/A
CAS Number: N/A
Molecular Weight: N/A
Appearance: Brown fine powder
Odor: Odor

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min./Max.)
Identification	-	Complies	Identical to R.S. sample
Sieve analysis	-	Complies	90% through 80 mesh
Moisture	%	4.75%	<10.0%
Ash	%	2.47%	<5.0%
Acid insoluble ash	%	0.28%	<2.4%
Bulk density	g/ml	Complies	40-80 g/100ml
Arsenic	PPM	B.L.Q	Max. 1.1 PPM
Cadmium	PPM	B.L.Q	Max. 1.0 PPM
Lead	PPM	B.L.Q	Max. 2.5 PPM
Mercury	PPM	B.L.Q	Max. 0.1 PPM
Contaminants			
Aflatoxin B1	ppb	Complies	≤2 ppb

Aflatoxin B2	ppb	Complies	≤2 ppb
Aflatoxin G1	ppb	Complies	≤2 ppb
Aflatoxin G2	ppb	Complies	≤2 ppb
Ethylene oxide	mg/kg	Complies	≤0.01 mg/kg
Pesticides Residues	mg/kg	Complies	≤0.01 mg/kg
Microbiological Parameters			
Total Plate Count	cfu/g	<1000 cfu/g	<1000 cfu/g
Yeast & Moulds	cfu/g	<100 cfu/g	<100 cfu/g
Coliform	cfu/g	<10 cfu/g	<10 cfu/g
E. Coli	-	Negative	Negative
Salmonella	-	Negative	Negative

Physical Properties

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

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 protect the extract from humidity and maintain its quality, potency, 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, libido, and overall well-being. It is also valued for its adaptogenic properties and is commonly incorporated into capsules, tablets, powders, functional beverages, and health supplements.

-Dosage: Depends on the intended formulation, extract concentration, and the content of active constituents. It should be used according to product formulation requirements or as directed by

a qualified healthcare professional. The appropriate dosage varies based on the product type, intended use, age, and individual health needs.

Packaging

- Standard Packing: 25 Kgs woven 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.