

SPECIFICATION

Product Name: Miswak Extract Powder
Chemical Formula: N/A
CAS Number: N/A
Molecular Weight: N/A
Appearance: Brown Powder
Odor: Odor

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max.)
Taste	-	Complies	Characteristic
Loss on drying	%	3.2%	NMT 5.0%
Ash content	%	4.5%	NMT 8.0%
Bulk density	g/ml	0.55 g/ml	0.40 - 0.70 g/ml
Particle size	-	Complies	100% passes through 80 mesh
Heavy metals	PPM	Complies	NMT 10 PPM
Lead	PPM	Complies	NMT 2 PPM
Arsenic	PPM	Complies	NMT 2 PPM
Cadmium	PPM	Complies	NMT 1 PPM
Mercury	PPM	Complies	NMT 0.1 PPM
Total plate count	cfu/g	Complies	NMT 10000 cfu/g
Yeast & mold	cfu/g	Complies	NMT 1000 cfu/g

E. coli	-	Complies	Absent/g
Salmonella spp.	-	Complies	Absent/25g
Staphylococcus aureus	-	Complies	Absent/g

Physical Properties

- Solubility: Soluble in water. Soluble in ethanol. Soluble in methanol. Soluble in acetone. Soluble in glycerin. Insoluble in ether.

Shelf Life & Storage

- Shelf Life: 3 years from date of manufacture under recommended storage.
 - Storage Conditions: Store Miswak Extract Powder in a cool, dry, and well-ventilated place, preferably at 15–25°C. Protect from direct sunlight, excessive heat, moisture, and humidity. Keep the container tightly closed in the original, properly sealed packaging to prevent moisture absorption and contamination. Store away from strong oxidizing agents, strong odors, and incompatible materials. Use clean, dry handling equipment to maintain product quality. Proper storage helps preserve the extract's stability, color, aroma, phytochemical content, and overall quality throughout its shelf life.

Applications

- Use: Widely used in herbal, pharmaceutical, nutraceutical, cosmetic, and oral care formulations. It is commonly incorporated into toothpastes, tooth powders, mouthwashes, oral rinses, herbal gels, chewing tablets, capsules, tablets, and dietary supplements. It is valued as a natural botanical ingredient in oral care products and is also used in herbal skin-care and personal care formulations. Miswak Extract Powder is included in formulations to provide the characteristic properties of *Salvadora persica* and to support the development of traditional herbal and oral hygiene products in accordance with applicable regulatory and formulation requirements.
 - Dosage: Depends on the intended application, extract ratio (e.g., 5:1, 10:1, 20:1), and formulation.

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.