

SPECIFICATION

Product Name: Blue Butterfly Pea Flower Powder
Chemical Formula: N/A
CAS Number: N/A
Molecular Weight: N/A
Appearance: Light purple colour powder
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min./Max.)
Taste	-	Complies	Typical of flower
Moisture	%	5.89%	NMT 7%
Sieve analysis	-	Complies	NLT 97.0% w/w passes through 60 mesh
Arsenic	PPM	Complies	NMT 1.0 PPM
Cadmium	PPM	Complies	NMT 1.0 PPM
Lead	PPM	Complies	NMT 1.0 PPM
Mercury	PPM	Complies	NMT 1.0 PPM
Microbiological Analysis			
Total plate count	cfu/g	Complies	As actual cfu/g
Yeast & mold	cfu/g	Complies	<100cfu/g
E. Coli	Absent/g	Complies	Absent
Salmonella	Absent/25g	Complies	Absent

Total coliforms	cfu/g	Complies	<10cfu/g
Clostridium perfringens	-	Complies	Absent

Physical Properties

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

Shelf Life & Storage

- Shelf Life: 5 years from date of manufacture under recommended storage.
 - Storage Conditions: Store in a cool, dry place at 15–25°C. Protect from moisture, excessive heat, direct sunlight, and humidity, as the natural pigments (anthocyanins) are sensitive to light and high temperatures. Keep the container tightly closed in the original, properly labeled packaging and store in a well-ventilated area to maintain product quality, color intensity, and stability.

Applications

- Use: Widely used as a natural blue food colorant and botanical ingredient in food, beverage, nutraceutical, and herbal formulations. It is commonly incorporated into herbal teas, functional beverages, smoothies, confectionery, bakery products, desserts, dairy products, dietary supplements, capsules, tablets, and powdered drink mixes.
 - Dosage: Depends on the intended application, desired color intensity, and product formulation.

Packaging

- Standard Packing: 25 Kgs woven pp bag with inner liner 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.