

FORMULATION OF BAMBOO EXFOLIATORS FOR FACE SCRUB



EXFOLIATORS: Natural Exfoliating agents are used to remove dead cells from the surface of skin and improve blood circulation, giving renewed and glowing skin. It keeps face free from dirt, collected sebaceous secretions also improves the skin appearance Exfoliators removes dull flaky skin, evens skin tone and diminishes the look of fine lines to reveal radiance. Natural exfoliation spheres gently exfoliate and deep clean skin while protecting and nourishing it at the same. Umang Pharmatech manufactures Sprayspheres SE® beads containing natural products specially used for exfoliation.

EXFOLIATION BENEFITS:

- Removal of dead skin cells
- Smoother, firmer skin
- Even-toned complexion
- Refined pores
- Reduces fine wrinkles, hyperpigmentation and scars
- Stimulates blood flow
- Allows for better absorption of moisturizers and serums.

BAMBOO :

Bamboo is one of the agricultural crops which can be utilized for the design and development of polymer composites. Bamboo is rich in natural silica which improves skin health. It absorb essential minerals such as more than 75% silica ,calcium, potassium, iron, choline, magnesium and betaine. Bamboo is used in Indian Phytotherapy for its remineralizing properties.

INCI NAME :

Bambusa Vulgaris Extract (Bamboo Powder)

PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Free Flowing White color spheres

Solubility - Practically insoluble in water

Bulk Density - NLT 0.6 gm/cc

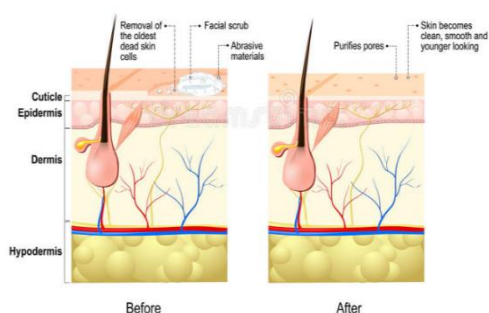
pH Value (1.0% Slurry) - 5.0 to 8.0

Loss on drying - NMT 8.0%

KEY PROPERTIES OF BAMBOO EXFOLIATORS:

- Does not disappear on gentle rub
- Preservative Free.
- Non GMO
- Provides Soft to mild Exfoliation
- Composition has GRAs status.
- Only approved synthetic & natural colors used
- Provide visual effects
- It is natural, non-toxic, non-comedogenic and non-allergenic properties and also biodegradable.
- Soft but effective abrasive,exfoliates naturally restore skin's beauty.

EFFECT OF BAMBOO EXFOLIATORS IN FACE SCRUB:



Bamboo Exfoliators is naturally antibacterial. It remove microbes and bacteria from the face. It is safe for the skin and much easier to keep clean. Bamboo is a natural therapy that reduces lines and aging signs on skin, and give glowing and healthy skin. bamboo Exfoliators is also a natural skincare solution that contains antioxidant properties which can fight against free radicals that decreases the wrinkles.

DOSAGE: 0.5 % to 2% for visual effect and up to 10 % for colour or active delivery.

STORAGE: Temperature between 5 and 25° C.

FORMULATION PROCEDURE:

Step I: Beeswax is melted in a container by using water bath to a temperature of about 70° C.

Then mineral oil is added to the melted beeswax. This is mixture A.

Step II: In another container, water is heated to a temperature of about 70° C and borax is dissolved in it. This is mixture B. Mixture B (aqueous phase) is added slowly to mixture A (oily phase) along with stirring. Stirring is carried out until a creamy emulsion is formed.

Step III: Finally, perfume is added to the preparation when it attains a temperature of about 40°C. Bamboo exfoliator are added at the end of manufacturing at moderate temperature and at slow stirring. Shearing or other mechanical stresses should be avoided during all manufacturing and filling process.

FORMULATION TIP

Face Scrub		
Ingredient	Qty(% ww)	Role O/Ing
White beeswax	20g	Emollient
Mineral oil (phase A)		
Perfume	50gm	Lubricant
D.W	q.s (0.5)	Odour
Borax (phase B)	28.8g m	Vehicle
Bamboo Exfoliator		
	0.7gm	Buffer
	0.5-2	Scrubbing agent

PARTICLE SIZES OF EXFOLIATOR BEADS

XS = Extra Small = 0.2 mm

VVS = Very Very Small = 0.2 - 0.3 mm

VS = Very Small = 0.3 - 0.6 mm

S = Small = 0.6 - 0.8 mm

M = Medium = 0.8 - 1.4 mm

L = Large = 1.4 - 2.0 mm

XL = Extra Large = 2 - 5 mm

KEY WORDS: Exfoliator Beads, Scrub Beads, Natural Exfoliators, Cosmetic Beads for aesthetic effect, peel off, flake off, shed off, scrap, eliminate.