

FORMULATION OF BAMBOO EXFOLIATORS FOR BODY 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.

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

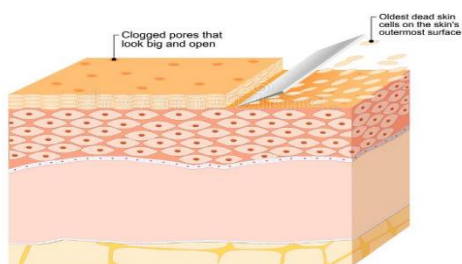
pH Value (1.0% Slurry) - 5.0 to 8.0

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 BODY SCRUB:



Bamboo Exfoliators refresh the body thoroughly and enhance for moisturizing. It soothes ,softens and rejuvenate the skin. Bamboo exfoliators help to remove the dead skin cell, blackheads and blemishes and make the skin clear and glowing. It break down fatty layers and improves the skin texture. It is naturally anti-bacterial ,anti-fungal and odor resistance.

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:

Stage 1: Meter water of part A into appropriate vessel .Add EDTA and mix until dissolved .With moderate propeller agitation, add the carbomer and mix for 20 min.

Stage 2: Add ingredients of part B to part A with moderate propeller agitation.

Stage 3: Add Part C to Part AB in order listed with moderate propeller agitation .Mix 20-30 min with moderate agitation.

Stage 4: Add Part D to batch in order listed .Mix with moderate agitation for 20 min.

Stage 5: Adjust batch to pH 5.5 with Part E

Stage 6 : Bamboo exfoliators 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	
BODY SCRUB	
Ingredients	Qty (wt %)
Part A : 1.Deionized Water/Diluent 2.Disodium EDTA/Chelating agent 3.Carbomer(l)/Thickener	51.45 0.05 1.00
Part B: 1.Propylene Glycol/Humectant 2.Glycerin (96%)/Humectant	1.00 2.00
Part C: 1.Sodium Laureth Sulfate (28-30%)/Surfactant 2.Disodium Dimethicone Copolyol Sulfosuccinate(30%)(2)/ Surfactant 3.Polysorbate-20/Emulsifier 4.Dimethicone (and) Laureth-4 (and) Laureth-Z3(SM2169)(3)/Conditioning 5.Cocamidopropyl Betaine/Surfactant	16.00 15.00 1.00 5.00 3.00
Part D: 1.Polyquaternium-39(4)/Conditioning 2.DMDM Hydantoin (and) Iodopropynyl Butylcarbarnate(5)/ Preservative 3. Fragrance(6)	3.00 0.15 0.25
Part E: 1.Triethanolamine(99%) /pH adjustment	1.10
Bamboo Exfoliators	0.5-2

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.