

FORMULATION OF COCONUT SHELL 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. Umang Pharmatech manufactures **Sprayspheres SE®** beads contain 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.

COCONUT SHELL EXFOLIATORS:

Coconut Shell exfoliators removes dead cells and impurities by purifying, Mattifying Softening and - Exfoliating the dull tired and tanned skin into soft glowing and supple skin.

Coconut Shell Exfoliators can beautify and bring the skin with all the benefits of a real exfoliation and will eliminate dead cells and impurities.

INCI NAME:

Cocos Nucifera (Coconut) Shell Powder

PHYSICAL AND CHEMICAL PROPERTIES:

Appearance - Free Flowing brown colour spheres

Solubility - Practically insoluble in water

Bulk Density - NLT 0.6 gm/cc

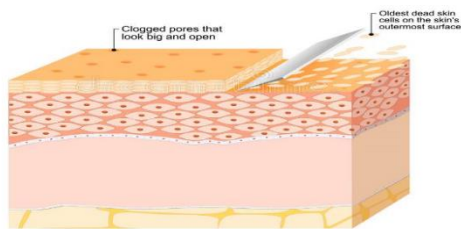
pH Value (1.0% Slurry) - 5.0 to 8.0

Loss on drying - NMT 8.0%

KEY PROPERTIES OF COCONUT SHELL EXFOLIATORS:

- 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.

EFFECT OF COCONUT SHELL EXFOLIATORS IN BODY SCRUB:



Coconut shell exfoliators do not dissolve in water, thus regularly using body scrub is a highly effective way to remove dead cells from the top layer of your skin so that new, revitalized cells can flourish. The process of applying a body scrub is also beneficial. The circular, massaging motions that actually boosts circulation and increases your blood flow, which helps drain the lymph nodes of toxins.

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: Scrub beads , Natural Exfoliators

,Cosmetic beads for aesthetic effects , Exfoliate ,peel off ,flake off ,throw out, shed off ,scrap, eliminate ,rub, Exfoliators beads .

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

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

STORAGE: Temperature between 5 ° C -25° C

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