

FORMULATION OF COCONUT SHELL EXFOLIATOR FOR FACE PACK



EXFOLIATORS:

Natural Exfoliating agents are used to remove dead skin cells ,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 that contain natural products specially used for exfoliation.

KEY WORDS:Exfoliate ,peel off ,flake off ,throw out, shed off ,scrap, eliminate ,rub
Exfoliators beads , Scrub beads ,Natural Exfoliators ,Cosmetic beads for aesthetic effect.

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 exfoliator is a natural remedy that reduces lines and aging signs on skin, and get a glowing and healthy again. Coconut shell is a natural exfoliant and effectively cleans, heals, moisturises and rejuvenates the skin.

Coconut Shell Powder is a skillfully ground of natural crushed shells(coconut) grounded into fine powder which will act like a scrub in your product.It is the perfect addition to tropical themed products and products intended for delicate exfoliation.

INCI NAME:

Cocos Nucifera (Coconut) Shell Powder

PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Free flowing brown 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 COCONUT SHELL 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 COCONUT SHELL EXFOLIATORS IN FACE PACK:

Coconut shell is a gentle exfoliator. It helps lightly clear out dead cells from the surface of the skin. Coconut shell exfoliator pulls out bacteria, poisons, chemicals, dirt and other micro-particles to the surface of skin it also sucks out impurities of the skin. Coconut shell exfoliator helps to remove acne scars, dark spots, blemishes and hyperpigmentation. It also helps lighten the skin by gently exfoliating it. Coconut shell exfoliator balances excess oil secretion and closes the open pores.

FORMULATION PROCEDURE:

Pre-Mix 1: Meter out water and start heating. Sprinkle in Carbopol and mix until all lumps are dispersed.

Pre-Mix 2: Dissolve preservative in propylene Glycol and add to Mix.

Stage A: Complete stage A by adding Magnesium sulphate to mix.

Stage B: Melt the oils and waxes of stage B and mix, bring to temperature.

Stage C: With the Silverson running slowly add the hot oils to the hot Aqueous Phase, mix briefly then add the Triethanolamine which will thicken the product.

Stage D : Start cooling with mixing, before the product gets too thick add the coconut shell exfoliator and mix until dispersed, add the perfume and mix briefly. (Silverson mixing after addition of coconut shell exfoliator should be avoided).

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)
Pre-Mix 1 Water; Pure Carbopol 940	72.050 0.200
Pre-Mix 2 Propylene Glycol USP Preservative as required	6.000 0.300
Stage A: Magnesium Sulphate	0.100
Stage B: Light Mineral Oil GMS s/e Stearic Acid-Triple Pressed Almond Oil USP, Sweet Peach Kernel Oil	8.000 4.000 3.000 1.100 1.100
Stage C: Triethanolamine 99%	0.900
Stage D: Coconut shell exfoliator	0.5 - 2%
Cooling Cycle: Fragrance	0.250

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