

FORMULATION OF SUGAR 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.

SUGAR:

Sugar is a building blocks of carbohydrates and it is naturally found in various food such as fruit, milk, vegetables and grain. Sugar is disaccharide, composed of two monosaccharide molecule that is glucose and fructose. Sugar is natural source of glycolic acid. It is a natural humectant.

INCI NAME:

Sucrose (Sugar)

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Free flowing brown colored granules

Bulk density: NLT 0.6 gm/cc

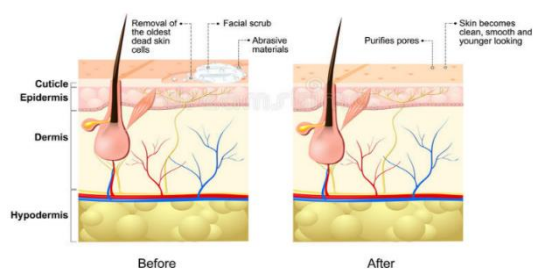
pH Value (1.0 % slurry) : 5.0 to 8.0

Loss on Drying: NMT 8.0 %

KEY PROPERTIES OF SUGAR 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 SUGAR EXFOLIATORS IN FACE SCRUB:



Sugar exfoliators make the face smooth and healthy. It helps to fight skin aging in a natural way. Sugar contains minerals that protect the skin from the toxins. Sugar Exfoliator removes the dead skin cell from face and makes it brighter. It also removes the dirt, impurities and excess oil from the face.

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. Sugar 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		
Face Scrub		
Ingredient	Qty(% ww)	Role O/Ing
White beeswax	20g	Emollient
Mineral oil (phase A)		
Perfume	q.s (0.5)	Odour
D.W	28.8g m	Vehicle
Borax (phase B)		
Sugar Exfoliator	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.