

FORMULATION OF SUGAR EXFOLIATORS FOR LIP 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 LIP SCRUB:

Sugar Exfoliators carefully removes dead skin flakes and make the lips smooth and soft .Due to its humectant property, it can help to lips naturally hydrate. Sugar exfoliators prevent lips from getting damaged from the sun due to its antioxidant property. It contain glycolic acid so that can prevent the lips from environmental toxins.

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 : Premix components A and B and label as “Phase I.”

Stage 2 : Premix components C,D,E and F and label as “Phase II.

Stage 3 : Premix component G (prepare the 100 ppm solution) and label as phase III.

Stage 4 : Add “Phase II” to “Phase I” with low speed stirring.

Stage 5 : Add “Phase III” and continue stirring until uniform.

Stage 6 : Sugar 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	
Lip Scrub	
Ingredients	Qty (wt %)
A Lubrajel CG	50.00
B Deionized Water	46.72
C Solimate 'E'	2.50
D Octyl Salicylate	0.50
E Peppermint Oil, USP	0.05
F Spearmint Oil, USP	0.05
G FD&C Blue #1 (100ppm	0.18
H Sugar 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.