

## FORMULATION OF OATS EXFOLIATORS FOR FACE SCRUB



**EXFOLIATORS:** Exfoliation is a natural process of healthy skin, where the body sheds dead skin cells, allowing brand-new, fresh skin to be revealed beneath.

Natural Exfoliating agents are used to remove dead cells present on the skin and boost blood circulation, giving renewed and glowing skin. It keeps skin free from dirt, grime, accumulated sebaceous secretions and oils which are also beneficial in keeping the skin pores clean. Natural exfoliation spheres gently exfoliate and deep cleans the skin while protecting and nourishing it at the same time.

Umang Pharmatech manufactures **Sprayspheres SE®** beads containing 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 effects .

### **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.

Vitamin B helps in removal of the oldest dead skin cells on the skin's outermost surface, and gives you a fresh, glowing and youthful skin.



### **OATS EXFOLIATOR**

Oats Exfoliators soaks up the excess oil on your skin ,unclog the pores and reduces the risk of blackheads. and acne. They remove the dirt and exfoliate the skin.

It has anti-inflammatory properties that absorb, remove oil and bacteria from skin. Oats Exfoliator enriched with Amino acids and

### **INCI NAME:**

Avena Sativa (Oat) Kernel Extract

### **PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance** - Free flowing spheres ranging from light yellow to golden colour.

**Solubility** - Practically insoluble in water

**Bulk Density** - NLT 0.6 gm/cc

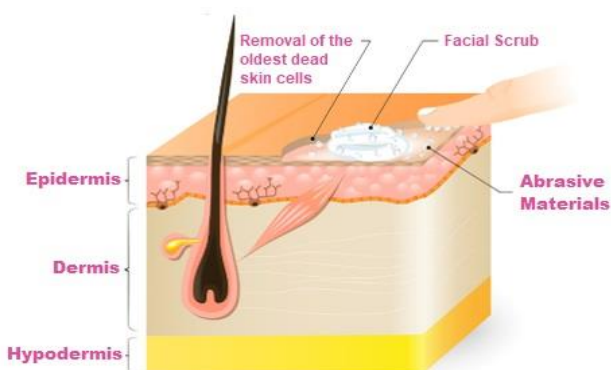
**pH Value (1.0% Slurry) - 5.0 to 8.0**

**Loss on drying - NMT 8.0%**

### KEY PROPERTIES OF OATS EXFOLIATORS

- Does not disappear on gentle rub
- Non GMO
- Preservative Free
- 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 OATS EXFOLIATORS IN FACE SCRUB:



The essence of saponins a naturally present in oat scrub exfoliator helps in naturally cleansing the skin. It wards off the blackheads, black heads are nothing but clogged pores on your skin. Oatmeal helps to declog the pores and gives you a smooth and clear skin.

Oats Exfoliators also protects the skin from external irritants and revamps skin tone.

Face scrub with Oats Exfoliators helps to get rid of sunburn, heals damage skin by UV rays and provide soothing effect.

FORMULATION TIP		
Face Scrub		
Ingredient	Qty(%ww)	Role O/Ing
White beeswax	20g	Emollient
Mineral oil	50gm	Lubricant
Perfume	q.s (0.5)	Odour
D.W	28.8gm	Vehicle
Borax	0.7gm	Buffer
Oats Exfoliator	0.5-2%	Scrubbing agent

### 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. Oats exfoliator is added at the end of manufacturing at moderate temperature and at slow stirring. Shearing or other mechanical stresses should be avoided all manufacturing and filling process.

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

**STORAGE:** Temperature between 5 ° C - 25° C

### 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