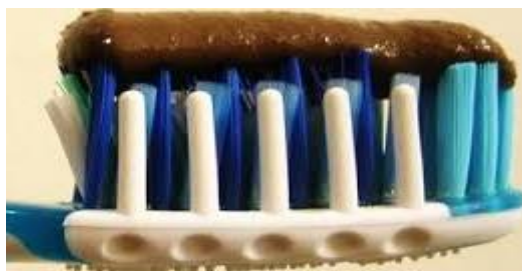


FORMULATION OF COFFEE EXFOLIATORS IN TEETH POLISHER



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 teeth free from Abrasive agent i.e used to clean teeth and increase their shine, which are also beneficial in keeping the teeth clean and feel fresh all day long with its naturally astringent and mattifying properties.

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 effect.

COFFEE EXFOLIATORS

Exfoliating scrub regularly exfoliate your skin with an natural ingredient. The naturally present is caffeine found in coffee scrubs typically increases blood flow, and may reduce the appearance of cellulite and give your teeth a shining smile.

After exfoliation with Coffee exfoliator, your body's largest organ works more efficiently to expel toxins and take in nourishment for overall fit body.

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

INCI NAME :

Coffea Arabica (Coffee) Seed 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 COFFEE 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

EFFECT OF COFFEE EXFOLIATORS IN TEETH POLISHER

Coffee exfoliators are especially used in cleaning teeth by delicate exfoliation. Coffee exfoliators in this teeth-whitening powder contains naturally present caffeine and oxidants like polyphenols that helps fight with cavities and offer fresh breath that helps in the removal of stains and yellow coating from your teeth. Natural mild exfoliants gently polish your teeth and clean bacterial film from your teeth and gums. Natural Exfoliators like Coffee exfoliators are responsible for dissolving stains from your teeth. Also coffee flavoring in toothpaste boosts its taste and makes it smell appealing.

Formulation Tip

TEETH POLISHER	
Ingredients	(Qty%/w)
Phase A	
Glycerol anhydrous (Fluka Chemie)	q.s.
Teavigo (DSM) (epigallocatechin gallate)	0.10
Syloblanc 34 (Grace Davison) (silica)	7.00
Sodium fluoride	0.22
Sodium saccharin	0.05
Phase B	
Texapon Z 95 P (Cognis GMBH) (sodium lauryl sulfate)	1.60
Syloblanc 81 (Grace Davison) (hydrated silica)	10.00
Syloblanc 82 (Grace Davison) (hydrated silica)	10.00
Titanium dioxide USP	0.50
Optimint 291616 (Symrise) (aroma)	1.10
Phase C	
Citric acid anhydrous	0.45
Water	0.30
Vert Turquoise W 7003 (LCW)	0.0682
FD&C Yellow 5 W 081 (LCW)	0.00114
Coffee 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

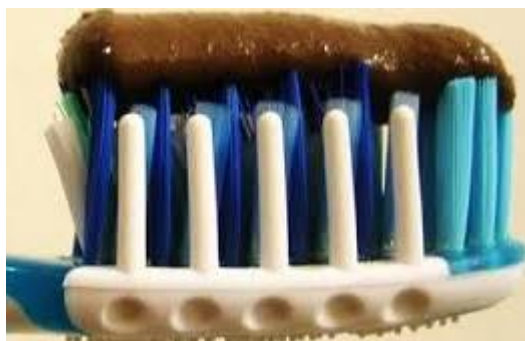
XL = Extra Large = 2 - 5 mm

Formulation Procedure:

Step I: Dissolve Teavigo in glycerin at room temperature with moderate agitation. Add the Syloblanc 34 with moderate agitation at room temperature until homogeneous mixture is obtained.

Step II: Add the other ingredients of phase A at room temperature with moderate agitation until a homogeneous mixture is obtained.

Step III: Add all ingredients of phase B to phase A in the order shown at room temperature with moderate agitation until a homogeneous paste is obtained. Mix the ingredients of phase C in the order shown at room temperature with moderate agitation until a clear solution is obtained. Add phase C to phase A/B at room temperature with



moderate agitation until a homogeneous paste is obtained.