



Gel toothpaste with naturally-derived foaming agent

ACTS20151

Description

Great taste, good consistency. Formulation is clear and smooth.

| Phase | Ingredient | INCI name | Supplier | Function | Wt.% |
|-------|---------------------------|--------------------------|------------------------|-------------------|---------------|
| A | CMC Cekol® 2000 | Cellulose gum | CP Kelco | Thickener | 1.00% |
| | Zemea® propanediol | Propanediol | CovationBio PDO | Solvent | 4.00% |
| | Splenda® | Sucralose | Primient | Sweetener | 0.20% |
| | Peppermint oil | Peppermint oil | FlavorChem | Flavor | 0.75% |
| | Water | Deionized water | — | — | 22.75% |
| B | Zemea® propanediol | Propanediol | CovationBio PDO | Solvent | 25.00% |
| | Sorbogem | Sorbitol | Ingredion | Sweetener | 20.30% |
| C | Zeodent® 116 | Silica | Evonik | Polishing silica | 23.00% |
| | Zeodent® 165 | Silica | Evonik | Thickening silica | 2.50% |
| D | Esterlac™ SLL | Sodium lauroyl lactylate | Corbion | Foaming agent | 0.50% |
| Total | | | | | 100.00% |

Formula provided by: ACT Solutions Corp., Newark, Delaware, USA

Procedure

- Mix together phase A until homogenous. Use handheld homogenizer if necessary.
- Add phase A to phase B.
- Dry mix phase C and add to AB.
- Homogenize mixture until smooth.
- Add Esterlac™ SLL and mix until fully incorporated.