



Gentle toothpaste containing Omyacare® S 70-AZ and Zemea® propanediol

Omyacare® S 70-AZ pure minerals from nature with smooth cleansing effect

Phase	Ingredient	INCI name	Supplier	Wt.%
A	Aqua dem.	Aqua (water)	—	add. 100%
	Zemea® propanediol	Propanediol	CovationBio PDO	20.00%
	Glycerin	Glycerin	Georges Walther AG; Switzerland	15.00%
	Cellulose gum	Cellulose gum	Sigma Aldrich; Switzerland	0.90%
	Aloe vera	Aloe barbadensis leaf juice	Omya Hamburg GmbH; Germany	0.20%
B	Omyacare® S 70-AZ	Calcium carbonate	Omya AG; Switzerland	40.00%
	Titanium dioxide	Titanium dioxide	Sigma Aldrich; Switzerland	0.50%
C	Sobosil TC15	Hydrated silica	PQ Corporation; England	6.20%
D	Redistilled peppermint rosa oil	Aroma	WILD Flavors & Specialty Ingredients; Germany	1.00%
	Limonene	Limonene	Omya Hamburg GmbH; Germany	0.10%
Total				100.00%

Prototype formulation provided by: Omya, Oftringen, Switzerland

Procedure

- Phase A: In a beaker combine sorbitol with all powders and mix under strong agitation. Add water and stir to make a homogeneous texture.
- Add phase B step by step to phase A.
- Add phase C step by step under strong agitation and homogenize.
- Stir slowly and cool down to room temperature.
- Add phase D under slow agitation, optionally under vacuum.
- Finally add flavorings, also under slow agitation.

Product features

- Appearance: pH: 8.60 (25%, RT)
- Stability: 2 months: RT