



# 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%
	<b>Zemea® propanediol</b>	<b>Propanediol</b>	<b>CovationBio PDO</b>	<b>20.00%</b>
	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	<b>Omyacare® S 70-AZ</b>	<b>Calcium carbonate</b>	<b>Omya AG; Switzerland</b>	<b>40.00%</b>
	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

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

## Product features

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