



## 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	Suppliers	Wt.%
	Aqua dem.	Aqua (Water)		add. 100%
	Zemea® propanediol	Propanediol	DuPont Tate & Lyle Bio Products	20.00%
A	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%

### Procedure

1. Phase A: In a beaker combine sorbitol with all powders and mix under strong agitation. Add water and stir until 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.

### Physical Data

pH: 8.60 (25%,RT)

### Stability Tested

12 months: RT

Prototype formulation provided by: Omya, Oftringen, Switzerland

### For additional information or samples:

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