



Gentle Toothpaste Containing Omyadent® 100-OG and Zemea® Propanediol

Omyadent® 100-OG provides remineralization & whitening

Phase	Ingredient	INCI Name	Suppliers	Wt.%
A	Aqua dem.	Aqua (Water)		add. 100%
	Cellulose Gum	Cellulose Gum	Sigma Aldrich; Switzerland	0.80%
	Zemea® propanediol	Propanediol	DuPont Tate & Lyle Bio Products	25.00%
	Glycerin	Glycerin	Sigma Aldrich; Switzerland	15.00%
	Aloe Vera	Aloe Barbadensis Leaf Juice	Omya Hamburg GmbH; Germany	0.20%
	Potassium Sorbate	Potassium Sorbate	Hansler AG; Switzerland	0.20%
B	Omyadent® 100-OG	Hydroxyapatite (and) Calcium Carbonate	Omya AG; Switzerland	5.00%
	Sorbosil AC35	Hydrated Silica	PQ Corporation; England	20.00%
	Titanium Dioxide	Titanium Dioxide	Sigma Aldrich; Switzerland	0.50%
C	Sobosil TC15	Hydrated Silica	PQ Corporation; England	6.40%
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 a homogeneous texture is obtained.
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. Finally add flavorings also under slow agitation.

Physical Data

pH: 8.30 (25%,RT)

Stability Tested

3 months: RT

Prototype formulation provided by: Omya, Oftringen, Switzerland

For additional information or samples:

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