



Textured toothpaste

with Xanthan Gum

Phase	Ingredients	INCI	Supplier	Quantity
A	Water demin.	Aqua		Qs to 100 %
	Beauté by Roquette® PO 160	Sorbitol	Roquette	15.00 %
	ERYLITE® Personal Care Grade	Erythritol	Jungbunzlauer	6.00 %
	Tripotassium Citrate	Potassium Citrate	Jungbunzlauer	4.00 %
	Zinc Citrate Dihydrate	Zinc Citrate	Jungbunzlauer	0.50 %
B	Phoskudent® SF	Sodium Fluoride	BK Giuliani	0.30 %
	Glycerine	Glycerine		15.00 %
	Xanthan Gum FN Oral Care Grade	Xanthan Gum	Jungbunzlauer	0.50 %
C	Zeodent® 113	Hydrated Silica	Evonik	15.00 %
	Zeodent® 167	Hydrated Silica	Evonik	6.00 %
D	TEGO® Betain ZF	Cocamidopropyl Betaine	Evonik	1.30 %
E	Preservative			Qs

Directions

- 1 Mix all ingredients from phase A to completely dissolve them
- 2 Prepare a slurry from phase B
- 3 Add phase A into phase B while stirring
- 4 Add phase C into phase AB, stir with high speed until complete dispersion
- 5 Add phase D during slow agitation
- 6 Add preservative and adjust pH if necessary

Technical Data

Appearance: Opaque, white toothpaste

pH value: 6.7

Water activity a_w : 0.8

Viscosity (rotational rheometer with geometry PP 20, 1 s⁻¹, 20 °C): 165 Pa·s

Stability

Stable for at least 3 months at RT, 5 °C (41 °F) and 40 °C (104 °F)



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The information contained herein is meant to demonstrate how our products can be used. This formulation has been subjected to limited stability tests and has been shown to perform well. The given data are suggestions without any guarantee aimed to support customers' development.