



Toothpaste for oral health

with Zinc Lactate

Phase	Ingredients	INCI	Supplier	Quantity
A	Water demin.	Aqua		Qs to 100 %
	Beauté by Roquette® PO 160	Sorbitol	Roquette	10.00 %
	ERYLITE® Personal Care Grade	Erythritol	Jungbunzlauer	6.00 %
	Tripotassium Citrate	Potassium Citrate	Jungbunzlauer	4.00 %
	Zinc Lactate Dihydrate	Zinc Lactate	Jungbunzlauer	4.00 %
B	Phoskadent® SF	Sodium Fluoride	BK Giuliani	0.30 %
	Glycerine	Glycerine		10.00 %
	Xanthan Gum FN Oral Care Grade	Xanthan Gum	Jungbunzlauer	0.60 %
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	L(+)-Lactic Acid 90 % heat stable Personal Care Grade	Lactic Acid	Jungbunzlauer	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 Adjust pH with phase E if necessary

Technical Data

Appearance: Opaque, white toothpaste

pH value: 6.2

Water activity a_w : 0.9

Viscosity (rotational rheometer with geometry PP 20, 1 s⁻¹, 20 °C): 180 Pa·s

Stability

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

Claims

No preservatives according to regulation (EC) No 1223/2009, Annex V

Test for microbiological stability according to Ph.Eur. 5.1.3. Oralia for oral preparations passed



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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.