

Natural Toothpaste

Contains REACT-NTI products (highlighted in red)

Formulary

Ingredients	% Wt.
<i>Phase A</i>	
Sorbitol 70%	31.85
Glycerin 99%	10.00
Mackol CAS-100N (McIntyre Group) (sodium cocosulfate)	0.60
<i>Phase B</i>	
CMC PH-6000 Powder (TIC) (cellulose gum)	0.45
<i>Phase C</i>	
Dicalcium phosphate dihydrate	40.00
Farona I-III (React-NTI)	5.00
Monoammonium glycyrrizinate	0.30
<i>Phase D</i>	
Water	11.20
Sodium benzoate	0.25
<i>Phase E</i>	
Peppermint oil	0.25
Spearmint oil	0.10
Procedure	
1.	In jacketed, stainless steel kettle equipped with in-tank homogenizer mixing and sweep agitation, combine Phase A materials and heat to 80-82°C.
2.	Under homogenization, add Phase B gum and disperse uniformly (batch will produce foam).
3.	Add Phase C powders to batch with same sheet and continue homogenization until all powder has been incorporated.
4.	Continue immediately with the additions of premixed Phase D until uniformly incorporated.
5.	Switch to slow, sweep agitation and begin cooling batch slowly to 40-45°C to remove any aeration.
6.	At this temperature range, add Phase E.
7.	Add water to batch and cool to 30-35°C.
8.	Compensate for water loss, then compare top and bottom samples to standard.
9.	Finished product is a thick paste suitable for tube dispenser.



REACT-NTI, LLC

6680 North Highway 49, Lino Lakes, MN 55014

Phone: (651) 217-2138 Fax: (651) 784-2902

www.react-nti.com

Note: The statements made herein are based on our research and the research of others, and are believed to be accurate. No guarantee of their accuracy is made, however, and the products discussed are sold without warranty, expressed or implied, including warranty of merchantability and fitness for use of this material, and upon condition that purchasers shall make their own tests to determine the suitability of such products for the particular purposes. The user assumes all risk of use or handling, whether or not in accordance with any statements of the supplier. Supplier's liability, if any, for any action arising out of the material being supplied shall be limited to replacement of material. Statements concerning the possible use of these products are not intended as recommendations to use these products in infringement of any patent.