

WHITE TOOTHPASTE USING NEOSORB[®] 70/70 B SORBITOL SOLUTION (calcium carbonate)

FORMULA

	% (by weight)
Calcium carbonate, SOCAL [®] 90 A, Solvay	45.00
NEOSORB [®] 70/70 B sorbitol solution	35.70
Purified water	10.29
Sodium lauryl sulfate (30 % DS), SIPON [®] LCSV95, Sidobre Sinnova	5.66
Sodium carboxymethylcellulose, BLANOSE [®] 7MXF, Aqualon	1.15
Mint flavour	1.00
Sodium monofluorophosphate	0.80
Sodium saccharinate	0.20
Methyl paraben	0.18
Propyl paraben	0.02

METHOD

- Prepare the solution by dissolving the preservatives in water and NEOSORB[®] 70/70 B sorbitol solution at 80°C.
- Cool down to 50°C.
- Add the sodium saccharinate and sodium monofluorophosphate and mix until dissolution.
- Disperse the sodium carboxymethylcellulose under conditions of vigorous agitation.
- Allow to stand for 30 minutes.
- Pour this solution in a vacuum-mixing vessel.
- The flavouring is incorporated and vacuum-mixed for 5 minutes.
- Add the calcium carbonate and vacuum-mix for 20 minutes or until even distribution of all the constituents is attained.
- Finally, the sodium lauryl sulfate solution is added and vacuum-mixing is continued for 30 minutes.