

ALOE BALANCED ALCOHOL-FREE ORAL CARE

Embrace balanced oral care with Aloe Balanced Alcohol-Free Oral Care. Aloe vera infused, this alcohol-free solution offers gentle yet effective protection for your teeth and gums.

Item	Ingredient	Wt%
1	Sodium Lauryl Sulphate	0.195
2	Benzoic Acid	0.023
3	Sodium Saccharin	0.046
4	Zinc Chloride	0.007
5	Sodium Benzoate	0.167
6	Glycerin 99%	6.975
7	Thymol	0.019
8	l-Menthol	0.065
9	Oil of Peppermint	0.028
10	Oil of Peppermint Far West	0.019
11	Terpeneless Oil of Peppermint Rose	0.028
12	Mitchum	0.013
13	Oil of Anise.	0.006
14	Eugenol	0.037
15	Benzol Alcohol	0.102
16	Methyl Salicylate	0.465
17	Polyethylene Glycol	0.465
18	Pluronic 105	91.330
19	Deionized Water	0.005
20	INNOALOE AVG POWDER 200X	0.003
21	Benzoic Acid	0.003
	Sodium Benzoate	



Procedure:

Ten liters of deionized water were mixed with 7.5 kg. of glycerin in a 100 liter container using a high shear mixer. Sodium lauryl sulfate was then added and mixing continued until all the ingredients were dissolved. Once a clear solution was achieved, the saccharin, zinc chloride and sodium benzoate were added and mixed until dissolved. The essential oils and flavor oils were placed in a 500 ml. container and mixed until they become uniform. The benzoic acid was then added and mixed until the solution once again became clear. The polyethylene glycol was first preheated to 40° C. and this was combined in still a third vessel with the poloxamer 105 which had been heated to 45° C.-60° C. The surfactants were then added to the essential oil/flavor oils mixture and thoroughly dispersed. Subsequently, the glycerin, sodium lauryl sulfate and buffers combination that was previously mixed is added to the main batch and this was mixed for at least 30 minutes. Water was then added to q.s. the solution to 100 liters and the pH is adjusted, if necessary, using the sodium benzoate or benzoic acid buffers depending on whether the pH needs to be lowered or raised. The colorless mouthwash had a pleasingly fresh, peppermint taste with a pH of about 5.0. Its specific gravity was 1.021.

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