

ALOE FRESH BREEZE ANTIMICROBIAL MOUTHWASH

Enjoy the sensation of Aloe Fresh Breeze Antimicrobial Mouthwash. Enriched with aloe vera, this mouthwash provides antimicrobial benefits while leaving your mouth feeling revitalized.

Item	Ingredient	Percent* per Liter
1	Alcohol USP 25	253.0000 ml
2	Peppermint oil, Redistil, Farwest Terpeneless	.5000 gm
3	VR Methyl Salicylate NF	0.670 gm
4	Thymol NF	1.0000 gm
5	Menthol USP	0.6800 g
6	Propylene Glycol USP	100.0000 gm
7	Cetylpyridinium . Chloride NF	1.0000 gm
8	Poloxamer 407	1.0000 gm
9	Anethole NF	0.1300 gm
10	Benzoic Acid USP	1.0000 gm
11	Sodium Saccharin (sprayed dried, FCC)	0.5000 gm
12	FD & C Blue No. 1	0.0080 gm
13	FD & C Red No. 40 (Alura Red).	0.0005 gm,
14	Citric Acid, USP granular fine anhydrous	1.4500 gm
15	Glycerin USP Special	50.0000 gm
16	Sodium Hydroxide 105 w/v solution	0.0010
17	Hydrochloric Acid (10% w/vi >	0.0020
18	Water Potable	586.973
19	Oil of Anise NF	0.0050
20	Vanillin NF (Lignin)	0.0005
21	Eugenol USP	0.0300 gm.
22	Sodium Benzoate NF	1.0000 gm
23	Sodium Citrate Granular USP	0.0500 gm.
24	<u>INNOALOE AVG POWDER 200X</u>	1.0000 gm.



Procedure:

In one vessel the following ingredients are added to alcohol during continuous mixing in the following order: CPC, poloxamer 407, methyl salicylate, thymol, menthol, anethole, eugenol, peppermint oil, benzoic acid and citric acid. To this alcohol phase glycerin and propylene glycol are added.

In a separate reaction vessel, aloe vera sodium citrate, sodium benzoate, saccharin and FD & C dyes are dissolved in water. After thorough mixing, this water phase is added to the alcohol phase with continued mixing. Depending upon the resulting pH of the solution, the sodium hydroxide or hydrochloric acid was added to bring the pH of the system to approximately 4.0-4.4. Water is then added to bring the total volume to one liter.

The mouthwash thus produced had a minty, slightly sweet taste with a barely noticeable astringent bite from the actives. Effective in killing and controlling bacterial colonies in the oral cavity, the composition lacks the bitter burning sensation that otherwise detracts from patient compliance.

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