

ALOE DIAMOND SHINE TOOTHPASTE

Shine bright with Aloe Diamond Shine Toothpaste. Enriched with aloe vera, this toothpaste supports oral health and leaves your smile sparkling.

Item	Ingredient	Wt%
1	Sorbitol	27.0
2	Chalk	42.0
3	Sodium lauryl sulfate	1.50
4	Sodiurn saccharin	0.20
5	Sodium benzoate	0.50
6	Sodiurn monofluorophosphate	0.76
7	Tetrasodium pyrophosphate	0.25
8	Combination viscosity builder	0.60
9	Dye	0.1
10	INNOALOE AVG POWDER 200X	0.50
11	Water	26.59



Procedure:

Prepare heating the water to 65° C., and dispersing the combination viscosity builder into the water with stirring while gradually increasing stir speed to high, mixing for 10 minutes. Sorbitol is then added and mixed at medium speed for 15 minutes. A dry blend of sodium saccharin, tetrasodium pyrophosphate, monofluorophosphate, and sodium benzoate is slowly added to the mixture. The mixture is heated to 65-71° C. with stirring at medium to high speed for 15 minutes in a boiling water bath, compensating for water lost to evaporation. The mixture is transferred to a Ross mixer, the chalk is added and mixed for 5 minutes at speed 3. The mixer is stopped and the bowl and blades are scraped before further mixing for 20 minutes at speed 5 with a vacuum of not less than 28 inches Hg. The sodium lauryl sulfate and flavor oils are added and mixed in for 5 minutes at speed 3 under vacuum. Aliquots may be analyzed for quality control purposes. For example, the toothpaste compositions of the present mixture has an overall viscosity rating from about 20 BKU to about 35 BKU (Brookfield helipath units). Brookfield toothpaste viscosity ratings are determined by the following procedure using Brookfield equipment manufactured by Brookfield Engineering Laboratories, Stoughton, Mass. The equipment includes a Brookfield RVT dial viscometer, a Brookfield Helipath Stand, and a Brookfield RV T-bar Spindle set. To measure viscosity the viscometer is securely mounted on the helipath stand and leveled. A speed setting of 5 rpm and spindle #E are used. Toothpaste samples are measured at room temperature either in the tube or in a beaker. In brief, sample material is centered from 1/4 to 1/2 inch below the spindle tip, and the helipath switch and the motor of the viscometer are turned on. The timer is started when cream contact is made and the dial reading rises above zero--run time is 1.5 minutes. The average reading of the viscometer over the run is taken.

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