



Natural Deodorant Stick

DESCRIPTION

This natural, aluminum-free deodorant features **Colonial Monolaurin MB** for safe, long-lasting odor protection. This formulation is preservative-free and can be made without artificial fragrances or dyes as desired.

FORMULATION

Order	INCI Name	Trade Name	%
1	Water	Water	qs to 100.00
2	Propanediol	Zemea® Propanediol ¹	60.00
3	Sodium Hydroxide	Sodium Hydroxide, 50%	1.40
4	Stearic Acid	Triple Pressed Stearic Acid ²	4.50
5	Glyceryl Laurate	Colonial Monolaurin MB	2.00
6	Fragrance, Dye	Fragrance, Dye	qs

PROCEDURE

1. Combine ingredients 1 – 3 and begin heating to 85 – 90°C.
2. Once at temperature, slowly add ingredient 4 and continue mixing until completely dissolved.
3. Reduce temperature to 80°C, then add ingredient 5.
4. Add fragrance and dye as desired.
5. Fill containers and allow to cool.

TYPICAL PROPERTIES

Appearance Clear to Translucent Solid
pH (10%) 9.5 – 10.0

SUPPLIERS

¹ DuPont Tate & Lyle Bio Products Company, LLC, ²Acme-Hardesty