

Gentle Body Wash

CL-B0021

Glucamate™* DOE 120 Thickener is a naturally derived Methyl Glucoside derivative. It adds body and provides a rich skin feel to this exceptionally mild, high foaming body wash. Methyl Glucoside derivatives are well known for their mildness and irritation mitigation properties.

	INCI Name, Trade Name	Weight %	Function
1.	Deionized Water	46.80	Diluent
2.	Sodium Laureth Sulfate (28%, 2mol), Sulfochem™* ES-2 Surfactant	40.00	Surfactant
3.	Cocamidopropyl Betaine (35%), Chembetaine™* C Surfactant	11.50	Surfactant
4.	PEG-120 Methyl Glucose Dioleate, Glucamate™* DOE 120 Thickener	0.60	Thickener
5.	DMDM Hydantoin (and) Iodopropynyl Butylcarbamate, <i>Glydant® Plus Liquid</i>	0.30	Preservative
6.	Fragrance, <i>Green Apple Blossom, # UN054954100</i>	0.50	Fragrance
7.	FD & C Blue No.1 (0.1% solution)	0.20	Dye
8.	Citric Acid (50%)	~0.10**	Acidifier
9.	Sodium Chloride	Q.S.	Thickener

**q.s. to pH 5.5 – 6.0

Procedure:

1. Weigh deionized water into vessel large enough to provide adequate mixing while preparing batch.
2. Add ingredients 2 & 3 to water with mixing. Heat to 70 – 75 °C.
3. Add Glucamate™* DOE 120 while mixing. (Note: It is very important for the temperature of the water to be at least 70 °C to achieve expected viscosity.) Mix until uniform.
4. Cool batch to at least 40 °C, and add Glydant Plus, fragrance, and color. Mix until uniform.
5. Adjust pH to 5.5 – 6.0 using citric acid. Mix well after adjustments.
6. Add sodium chloride to adjust viscosity only if necessary. (Note: it is very important to equilibrate a sample at 25 °C for at least an hour to get an accurate viscosity measurement. Viscosity of this formula is affected by temperature.)

Product Properties:

Appearance	Clear, Blue-Green Liquid
pH	5.5 – 6.0
Viscosity, initial (mPa s)***	2,000 – 7,000
Turbidity (NTU)****	0 – 5
Stability:	Passed 2 months @ 45°C, 5 cycles freeze/thaw

*** Brookfield RVT @ 20 rpm, 25°C, #4 spindle, measured after 24 hours

**** HF Scientific, Inc. Micro 100 Turbidimeter

Supplier References:

Noveon, Inc. (2, 3, 4)

Lonza, Inc. (5)

Givaudan (6)

Quantum Colours (7)

The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained. The information often is based on laboratory work with small-scale equipment and does not necessarily indicate end product performance or reproducibility. Formulations presented may not have been tested for stability and should be used only as a suggested starting point. Because of the variations in methods, conditions and equipment used commercially in processing these materials, no warranties or guarantees are made as to the suitability of the products for the applications disclosed. Full-scale testing and end product performance are the responsibility of the user. Noveon, Inc. shall not be liable for and the customer assumes all risk and liability for any use or handling of any material beyond Noveon's direct control. The SELLER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein is to be considered as permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner.

Noveon, Inc. is a wholly owned subsidiary of The Lubrizol Corporation

*Trademark owned by The Lubrizol Corporation

© Copyright 2005 Noveon, Inc.