



A BEAUTIFUL BIOME SHAMPOO BAR

This multifunctional shampoo bar adds shine without greasiness, promotes scalp health, and requires minimal packaging – making it great for the skin's microbiome and better for the planet's macro-biomes. **Daikon Seed Extract** is an upcycled natural ingredient that imparts a silky, silicone-like feel, increases hair shine and strength, and improves the scalp's skin barrier function. **Meadowfoam Seed Oil XPR** adds a luxurious, velvety texture and superior oxidative stability to the formulation. Pentavitin®, derived from maize kernels, balances the scalp microbiome, reduces scalp sebum and flaking, and adds 24-hour moisturization after just one shampoo application.

Ingredient INCI NAME	Trade Name	%
Phase A		
Coco-glucoside	Plantaren 818 UP ¹	12.00
Cocamidopropyl Betaine	Cocamidopropyl Betaine	10.00
Glycerin	Glycerin	5.00
Sodium Lauroyl Sarcosinate	Aminosyl L 30 ²	5.00
Coco-Glucoside (and) Glyceryl Oleate	Sopal PO 65 ³	3.00
Phase B		
Cetearyl Alcohol	Cetearyl Alcohol	34.50
Behentrimonium Chloride	Behentrimonium Chloride	10.00
Limnanthes Alba (Meadowfoam) Seed Oil	Meadowfoam Seed Oil XPR* ⁴	4.00
Raphanus Sativus (Daikon) Seed Extract	Daikon Seed Extract ⁴	2.00
Oryza Sativa (Rice) Bran Wax	Rice Bran Wax ⁵	8.00
Behenyl Alcohol (and) Polyglyceryl-3 Stearate	Kostol Natural E ⁵	3.00
Butyrospermum Parkii (Shea) Butter	Shea Butter ⁶	3.00
Phase C		
Saccharide Isomerate (and) Water	Pentavitin ⁷	0.50
Total		100

*Meadowfoam Seed Oil and Meadowfoam Seed Oil XPR can be used interchangeably in this formulation.

Suppliers: ¹ BASF/Ross Organics; ² Jarchem/LBBS; ³ Southern Chemical/LBBS; ⁴ **Natural Plant Products**;
⁵ Koster Keunen; ⁶ Olvea/LBBS; ⁷ DSM/LBBS

Procedure: Prepare phases A and B separately, heating to 75-80°C. Add B to A with moderate propeller stirring. Take off heat, cool to 40-45°C, add Phase C and pour into molds.

Stability: One month at 45°C.

Application Instructions: Rub shampoo bar between hands to create lather, or massage directly on wet hair. Lather well, rinse and follow with conditioner.

The information contained herein is provided for informational purposes only. This suggested formulation is only a representative formulation and is not a commercialized product. NPP believes that the formulation and data on which this formulation is based are reliable, but it has not been subjected to extensive testing for performance, efficacy, or safety. Before commercializing, you should thoroughly test the formulation or any variation of it (as well as the raw materials, including any NPP product used) to determine its performance, efficacy, and safety. Further, you will be responsible for ensuring the regulatory compliance of the final product and its ingredients.

No guarantee, representation, or warranty of any kind is made with respect to any product or information contained herein, including, without limitation, the suitability, accuracy, the completeness or relevance of the data set out herein, or any result. NPP disclaims all warranties, express or implied, including, without limitation, warranties of merchantability, fitness for a particular purpose, or non-infringement of any patent or other intellectual property right (including, without limitation, copyright and trademark). User bears full responsibility for making its own determination as to the suitability for a particular purpose and for identifying and performing all tests and analyses necessary and sufficient for user's purpose. The final choice of use of a product or information as well as the investigation of any possible violation of intellectual property rights remains the sole responsibility of user.

© Natural Plant Products, LLC All rights reserved.

Phone: (503) 363-6402
Fax: (503) 587-8717
Email: sales@meadowfoam.com
P.O. Box 4306
Salem, OR 97302 USA
www.meadowfoam.com

