\A/4 0/

Environmental and Blue Light Protection Lotion No. 662

		VVI.%
	VANATURAL [®] CA Bentonite Clay	2.50
	VANZAN [®] NF Xanthan Gum	0.50
	Water	79.00
Α	Avena Sativa (Oat) Kernel Extract (and) Glycerin (and) Phenoxyethanol (Tech-O [®] #6-090 L ¹)	2.00
	Propanediol (Zemea [®] Propanediol ²)	5.00
	PEG-20 Methyl Glucose Sesquistearate (Glucamate® SSE-20 Emulsifier ³)	2.00
в	Methyl Glucose Sesquistearate (Glucate [®] SS Emulsifier ³)	2.00
	Caprylic/Capric Triglyceride (Neobee [®] M-5 Cosmetic ⁴)	2.00
	Tocopherol (Covi-ox [®] T-50 C ⁵)	0.50
	Cetearyl Alcohol (TA-1618, Fatty Alcohol ⁶)	2.50
С	Preservative	q.s.
	Glycerin (and) Marrubium Vulgare Extract (Citystem ^{®7})	2.00
	Citric Acid, 20%	q.s.

Procedure: While heating the water to $60-65^{\circ}$ C, slowly add the **VANATURAL**[®] **CA** and **VANZAN**[®] **NF** sequentially or as a dry blend to the water agitated at maximum available shear. Mix until fully hydrated. Then, add the rest of the Part A ingredients and mix well after each. Maintain the water phase at $60-65^{\circ}$ C. Combine the Part B ingredients (oil phase) and heat to $60-65^{\circ}$ C. Add the oil phase to the water phase with good agitation; mix until uniform. Avoid incorporating air. Cool with mixing to <30°C, then add the preservative. Check the pH of the batch both prior to and after the incorporation of the Citystem. If necessary, adjust the pH to 5.0 (± 0.25) with citric acid, each time.

RAW MATERIAL SUPPLIERS

TRADEMARKS

¹ Beacon CMP Corporation, Kenilworth, NJ	VANATURAL and VANZAN are registered trademarks of Vanderbilt Minerals, LLC.
² Premient Covation, Loudon, TN	Citystem is a registered trademark of Sederma SAS France.
³ Lubrizol Advanced Materials, Inc., Cleveland, OH	Covi-ox is a registered trademark of Kensing, LLC.
⁴ Stepan Company, Northfield, IL	Glucamate and Glucate are registered trademarks of Lubrizol Advanced Materials, Inc.
⁵Kensing, LLC, Kankakee, IL	Neobee is a registered trademark of Stepan Company.
⁶ Peter Cremer, Cincinnati, OH	Tech-O is a registered trademark of Beacon CMP Corporation.
⁷ Croda, Inc., Edison, NJ	Zemea is a registered trademark of Primient Covation LLC.

Rev 11/06/2023

Before using, read, understand and comply with the information and precautions in the Safety Data Sheets, label and other product literature. The information presented herein, while not guaranteed, was prepared by technical personnel and, to the best of our knowledge and belief, is true and accurate as of the date hereof. No warranty, representation or guarantee, express or implied, is made regarding accuracy, performance, stability, reliability or use. This information is not intended to be all-inclusive, because the manner and conditions of use, handling, storage and other factors may involve other or additional safety or performance considerations. The user is responsible for determining the suitability of any material for a specific purpose and for adopting such safety precautions as may be required. Vanderbilt Minerals, LLC does not warrant the results to be obtained in using any material, and disclaims all liability with respect to the use, handling or further processing of any such material. No suggestion for use is intended as, and nothing herein shall be construed as, a recommendation to infringe any existing patent, trademark or copyright or to violate any federal, state or local law or regulation.