SG 015

Microbiome Gel Cleanser

A soft, creamy microbiome cleanser infused with yogurt powder to cleanse, balance, and comfort the skin.

PHASE	TRADE NAME	INCI	FUNCTION	Active %	As is %
A	Deionized Water	Aqua	Diluent	qsp 100	psp100
	Edeta BD[1]	Disodium EDTA	Chelating Agent	0.100	0.10
	Keltrol® CG-SFT[2]	Xanthan Gum	Rheology Modifier	0.50	0.5
	Glycerin	Glycerin	Humectant	3.00	3.00
	Natursol™ XL[3]	Hydroxypropyl Starch Phosphate	**Gelling Agent**	**5.00**	**5.00**
	NATURSOL™ BioSeven [3]	Starch Ethylamidopropyltrimonium Chloride/Acrylamidopropyltrimonium Chloride Copolymer	Conditioning Polymer	0.10	0.53
B	Cola® Teric 35 UL[4]	Cocamidopropyl Betaine	Surfactant	3.50	10.00
	Protachem™ DG[5]	Decyl Glucoside	Surfactant	2.60	5.00
C	Yogurtene™ IO[6]	Yogurt Powder	Mild Exfoliant	3.00	3.00
D	PE9010[7]	Phenoxyethanol (and) Ethylhexylglycerin	Preservative	1.00	1.00

Suppliers: [1] BASF; [2] CP Kelco; [3] SNF; [4] Colonial Chemical,; [5] Protameen Chemicals; [6] Givaudan Active beauty; [7] ACME-Hardesty 06.12.2026LB

Process

Phase A: Add the water and EDTA, mix thoroughly until completely homogeneous**.** Add the glycerin–xanthan gum slurry. Ensuring adequate mixing time after each addition to achieve uniformity before adding Bioseven.

Phase B: Add phase B to phase A gradually while maintaining continuous mixing. Use low agitation and ensure thorough mixing after each addition.

Phase C: Add Phase C to the combined mixture (A+B) and continue mixing to ensure homogeneity.

Phase D: Add D and mix.

Properties*

- **Appearance:** Natural light beige.
- **pH:** 5.0-5.5
- **Viscosity**:** 9800 – 12,000 cP
- **Stability:** Passed 2 months@40°C

* Measured after 24 hours
** Brookfield RV, 20 RPM, spindle 5

Note: Sufficient preservative system required SNF doesn't guarantee microbiological stability..

Benefits *NATURSOL™ BioSeven*

1. Naturally Derived
2. Does not require neutralization
3. Conditioning
4. Can be use in hair and skin care application

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