

Shimmering Body Scrub

CL-S0004

Hydramol™* TGL Ester is a water soluble emollient which provides hydration and lasting moisturization in this aesthetically-pleasing body scrub. **Hydramol™* PGPD Ester** creates a rich, creamy foam. **Carbopol® Ultrez 20 Polymer** suspends the exfoliants and effectively thickens in surfactant systems.

	INCI Name, Trade Name	Weight %	Function
A.	1. Deionized Water	66.115	Diluent
	2. Disodium EDTA, <i>Protacide NA-2</i>	0.050	Chelating Agent
	3. Acrylates/C10-30 Alkyl Acrylate Crosspolymer, Carbopol®* Ultrez 20 Polymer	0.900	Rheology Modifier
B.	4. Deionized Water	1.000	Diluent
	5. Triethanolamine (99%)	0.100	Neutralizer
C.	6. Sodium Laureth Sulfate (28%, 2 mole), Sulfochem™* ES-2 Surfactant	20.000	Surfactant
	7. Hydrogenated Jojoba Oil, <i>Florabeads Jojoba 10/10</i>	3.000	Exfoliant
D.	8. Butylene Glycol USP	2.000	Humectant
	9. Mica, Titanium Dioxide, Silica <i>Timiron® Arctic Silver</i>	0.300	Pearlizing Agent
E.	10. Deionized Water	1.000	Diluent
	11. Triethanolamine (99%)	0.800	Neutralizer
F.	12. Phenoxyethanol, Methyl-, Ethyl-, Butyl-, Propyl-, and Isobutylparaben, <i>Phenonip®</i>	0.800	Preservative
	13. PEG/PPG-8/3 Diisostearate Hydramol™* PGPD Ester	1.500	Conditioner
	14. Polyglyceryl-3 Laurate, Hydramol™* TGL Ester	2.000	Moisturizer
	15. <i>Punica Granatum(Pomegranate)</i> Extract, Propylene Glycol, Herbasol® Pomegranate Extract PG	0.100	Botanical Extract
	16. <i>Pomegranate Fragrance #69309K</i>	0.300	Fragrance
	17. FD&C Red No. 40 (1% soln.)	0.030	Dye
18. D&C Red No. 33 (1% soln.)	0.005	Dye	

Procedure :

1. Add water to vessel. Dissolve Disodium EDTA in water.
2. Slowly sprinkle **Carbopol®* Ultrez 20 Polymer** on surface of water (at 25-40°C). Wait until polymer has completely wet out.
3. Pre-blend ingredients in PART B and add to batch. Mix completely.
4. Add ingredients in PART C in the order shown, and mix completely.
5. Pre-blend PART D. Add to batch and mix until completely dispersed.
6. Pre-blend PART E. Add to batch while mixing.
7. Add ingredients in PART F in order shown. Mix until uniform.

Product Properties:

Appearance Shimmery pink gel with white beads

pH 5.4-6.4

Viscosity (mPa s)** 10,000-15,000

Yield Value (dyn/cm²) 400-600

Total Solids (%) 13-18

Specific Gravity (g/ml) 0.95-1.00

Stability: Passed 3 months @ 40 °C, 1 month @ 50 °C, 3 cycles freeze/thaw

** Brookfield RVT @ 20 rpm, 25° C, #5 spindle, measured after 24

Supplier References:

Protameen (2)
Noveon, Inc. (3, 6, 13, 14)
Celanese/Ashland (5, 8, 11)
FloraTech (7)
Rona, EM Industries, Inc. (9)
Clariant Corporation (12)
Cosmetochem*** (15)
Shaw Mudge & Co. (16)
Quantum Colours (17, 18)

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