

# Barentz.

Our Men's Conditioning Shampoo brings efficiency and performance to an easy to develop formulation. Featuring MarCare™ EBW an economical and highly efficient surfactant blend ideal for Shampoo and Body wash. SugaCitate L1C a naturally derived anionic surfactant shown to reduce the irritation potential of sulfated surfactants. Cirewax Functional Spheres are a unique spherical bead technology that provides a visually appealing formula, softens in water, and easily breaks down to release an encapsulated active.

## Men's Conditioning Shampoo with Vitamin E



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Supplier	Description	INCI	w/w%	Phase	Product Information
	Purified Water	Water	70.25	1	Solvent
SNF	Flocare DE15A	Acrylates Copolymer	5	1	A rheology modifier with superior suspending capability
Nouryon	Dissolvine GL-47	Tetrasdodium Glutamate Diacetate	0.05	1	Chelating Agent
Barentz	MarCare EBW	Sodium Laureth Sulfate, Cocoamidopropyl Hydroxysultaine, Cocoamidopropyl Betaine	20	1	A primary surfactant blend with excellent foaming properties and easy to adjust viscosity with NaCl
Colonial	SugaCitate L1C	Disodium Laurylglucosides Hydroxypropyl Citrate	5	1	A primary or secondary surfactant shown to reduce the irritation potential of sulfates on the skin.
Lincoln Manufacturing	Hydroguard CS	Propanediol (and) Hydroxyacetophenone (and) Ethylhexylglycerin (and) Tocopherol Acetate (and) Asorbic Acid	2	1	A multifunctional ingredient that guards against biodegradation and spoilage
Barentz	Sodium Hydroxide 50%	Sodium Hydroxide	0.4	1	pH Adjuster
Cirebelle	Cirewax Functional Spheres Pink with Vitamin E	Sorbitan Stearate (and) Synthetic Wax (and) Polysorbate 60 (and) CI 77891 (and) CI 73360 (and) Tocopheryl Acetate	0.5	1	A unique spherical bead technology that softens in solution, encapsulates an actives (vitamin E) and breaks down easily on the skin.
Ingredion	Glystar A31	Sorbitol and Glycerin	1	2	Humectant
Barentz	MarQuat 400	Polyquaternium-10	0.2	2	Highly effective conditioning agent
Oxiteno	Alkest TW 20	Polysorbate 20	0.3	3	Solubilizer
Givaudan	Bio Blossom UANo6487/00	Fragrance	0.3	3	Clean and Fresh Aroma
			100		

## Formula # PC-52

### Method

1. Add water to beaker (25 - 30°C preferable) and start mixer with gentle agitation
2. Add Flocare DE15A and mix until homogenous. Batch will be opaque.
3. Dissolvine GL-47 and mix until uniform
4. Slowly add MarCare™ EBW to main vessel under gentle mixing (as to not allow aeration). Mix until homogenous
5. Slowly add SugaCitate L1C to main vessel and mix until homogenous
6. Add Hydroguard™ CS mix until homogenous
7. Add NaOH and mix until homogenous. Batch will turn clear and begin to thicken.
8. Slowly add Cirewax Functional Spheres and mix until spheres are uniform (Allow 24-48 hours to properly soften).
9. Phase 2 Pre-mix: Add Glystar A31 and Marquat 400 to a side vessel and make a slurry.
10. Slowly add Phase 2 to the main vessel and mix until homogenous.
11. Phase 3 Fragrance Pre-Mix: In a side-vessel, add Alkest TW2 and fragrance and stir gently
12. Add Phase 3 to main vessel and mix until homogenous
13. QC Batch

**Appearance:** Clear with pink spheres

**Odor:** Men's Fragrance

**Viscosity:** 8,000-12,000 cps

**pH:** 6.0-7.0

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