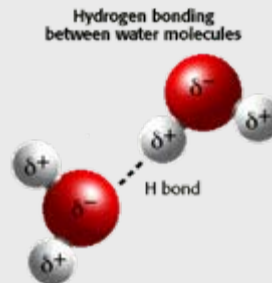


DC HydroTrap

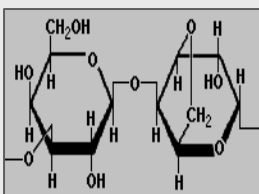
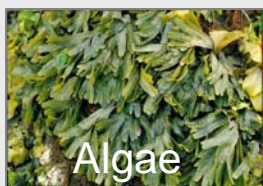
Hybrid Moisture Gel with Soothing Algae – Gentle Soy – Detoxifying Beets

ATTRACTING WATER

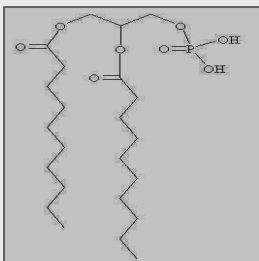
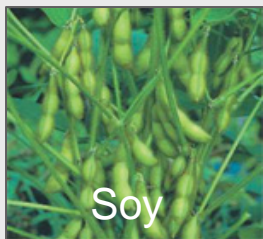
DC HydroTrap concentrated gel moisturizes skin with three plant fractions rich with hydrophilic, lipophilic and amphoteric molecules. The result is a comprehensive long-lasting, *cascade moisturization*. Electronegative oxygen of water creates dipoles resulting in a highly favorable attraction to DC HydroTrap, keeping skin hydrated for hours.



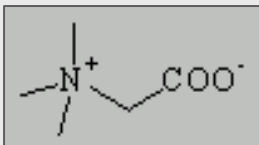
water binding cascade technology



- Surface cushioning hydration layer forms
- water hydrogen binding to large polysaccharides



- Interaction with epidermis restores lipid barrier
- phospholipids entrapping water in water-lipid bilayers



- Deep lasting hydration Dipole-ionic forces attract water to a small natural amphoteric carrier

PRODUCT ATTRIBUTES:

- Superior hydration performance with a barrier-humectants hybrid gel.
- Disperses easily in carbomer and other gels, emulsions or any composition with an external water phase.
- Functional conditioning and moisturization for both skin and hair products.
- Excellent smooth gliding skin feel.
- Naturally derived composition is ultra-gentle for skin and hair products.
- Recommended use level: 5-10%.

INCI NAME:

Glycerin (and) Water (and) Phospholipids (and) Beta Vulgaris (Beet) Root Extract (and) Algae Extract

Distinctive Cosmetic Ingredients, LLC

801 Montrose Avenue, South Plainfield, NJ 07080

Tel. (908) 226-5123 Fax. (908) 226-1514

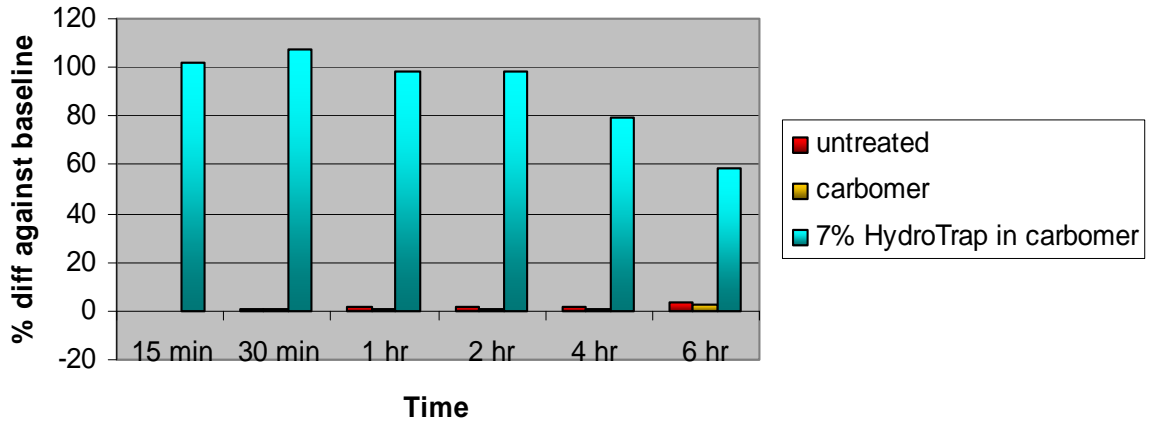
www.dcingredients.com

DC HydroTrap

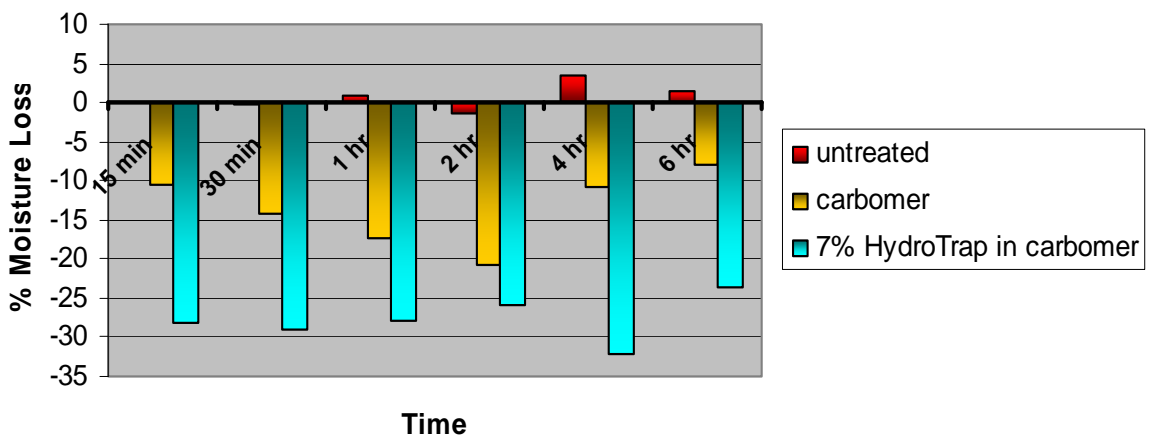
Hybrid Moisture Gel with Soothing Algae – Gentle Soy – Detoxifying Beets

In vivo screening has demonstrated DC HydroTrap has good performance in both surface hydration and barrier moisturizing protection.

Surface Moisturization Study (Novameter)



Moisturization Study (Transepidermal Water Loss)



DC HydroTrap

Hybrid Moisture Gel with Soothing Algae – Gentle Soy – Detoxifying Beets

DC HydroTrap provides a skin gliding smooth feel on application.

HydroTrap Lotion RON3-157/3

Phase	Ingredient	%	Supplier
A	Water	QS	
A	Disodium EDTA	0.15	
B	Finsolv TN	5.00	Finetex
B	Lexol GT-865	7.5	Inolex
B	Dow Corning 200 Fluid, 350 cst	2.00	Dow Corning
B	Pemulin TR-2	0.40	Noveon
C	Water	10.00	
C	TEA 99%	0.40	
D	DC HydroTrap	10.00	Distinctive Cosmetic Ingredients
E	Gransil SiW 026	3.00	Grant Industries
F	Sepigel 305	0.50	Seppic
G	Surcide DMDMH	0.50	Surety

Procedure:

Combine Phase B in a separate vessel and mix until uniformly dispersed.

Add Water and EDTA into the main beaker and mix until dissolved.

Combine Phase B into A with prop mixing for ~25 minutes until uniform. Premix Phase C and add to the main vessel to adjust the pH to ~5.50.

Add Phase D to the main vessel and continue to mix for ~10 minutes until uniform.

Add Phase E to the main vessel and continue to mix for ~10 minutes until uniform.

Add Phase F to the main vessel and continue to mix for ~10 minutes until uniform.

Add Phase G to the main vessel and continue to mix for ~10 minutes until uniform.

Finishing Step (If Desired): Homogenize for ~ 10 minutes.

HydroTrap Cream RON3-175/2

Phase	Ingredient	%	Supplier
A	Water	QS	
A	Butylene Glycol	4.0	
A	Xanthan Gum	0.2	
A	Glycerin	2.0	
B	Amisol Soft	5.0	Resources of Nature
B	Cetyl Alcohol	4.0	
B	Glyceryl Stearate	1.5	
B	BHT	0.05	
B	Phenonip	1.0	Clariant
B	Parsol MCX	5.0	Roche
B	Dow Corning 345 Fluid	6.0	Dow Corning
B	Finsolv TN	4.0	Finetex
B	Bisabolol	0.5	
C	DC HydroTrap	7.0	Distinctive Cosmetic Ingredients
C	Heliogel	1.0	Resources of Nature
D	Water	12.0	
D	Tetrasodium EDTA	0.2	

Procedure:

Combine Phase A (Premix Glycol/Xanthan gum/Glycerin prior to combining with water) in a separate vessel and mix until uniform.

Heat Phase A to ~75 to 80 Degrees C while mixing.

Combine Phase B into a separate beaker and heat to ~ 80 Degrees C, mixing until uniform.

Add Phase B to Phase A with high-speed prop-mixing and mix at ~80 Degrees C for ~15 minutes.

Begin cooling batch and add Phase C to the main vessel at ~50 Degrees C.

Premix Phase D and add to the main vessel at ~ 45 Degrees C and cool to R/T.

Finishing Step (If Desired): Homogenize for ~ 10 minutes while cooling to R/T.

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