

Actives

HYASIL™

HYASIL™ is a bi-functional dermal architecture complex. Engineered to support extracellular matrix (ECM) integrity and scalp structural environment, particularly in hair and regenerative applications.

THE FORMULA

- Sodium Hyaluronate
- Sodium hyaluronate cross polymer
- Methylsilanetriol

MECHANISM OF ACTION

- **ECM & Follicle Support:** Supports extracellular matrix reconstruction, enhancing scalp firmness and strengthening follicular anchorage.
- **Dual-Action Hydration System:** mitochondrial biogenesis, ATP optimization
- **Scalp Microenvironment Enhancement:** Optimizes scalp hydration balance, cellular communication, and active ingredient bioavailability.

FUNCTIONALITY

- Reinforces follicular anchoring environment
- Reduces micro-degeneration of ECM
- Enhances delivery efficiency of: Growth factors, Peptides, PDRN
- Supports thicker, more resilient hair emergence

APPLICATIONS

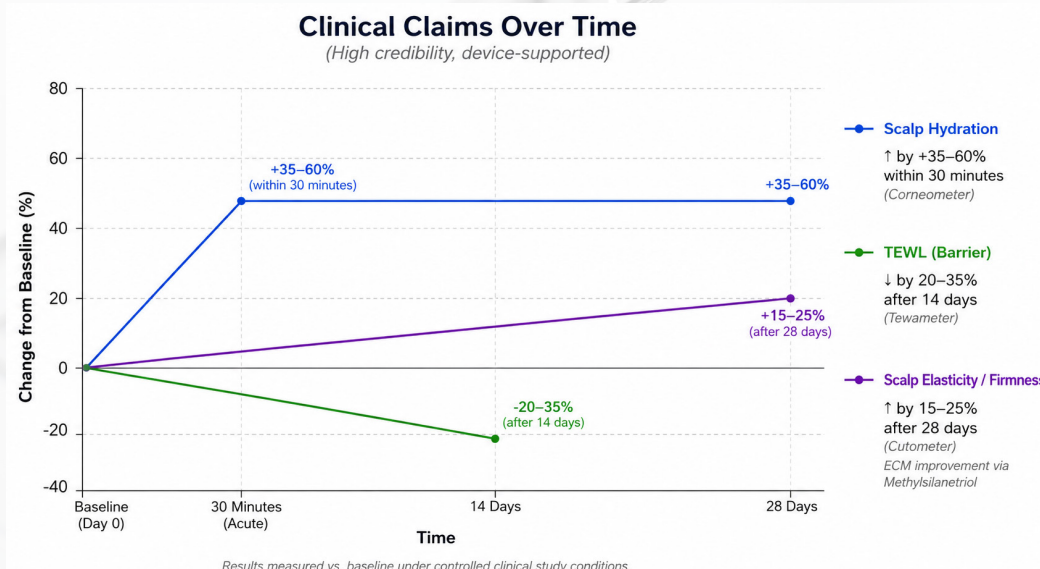
- Professional ampoules
- Daily serum
- Scalp tonic
- Spray mist
- Booster serum

TRICHONOMICS

Parameter	Outcome
Scalp hydration	↑ 35–60%
Scalp elasticity	↓ 20–35%
Trans epidermal WaterLoss (TEWL)	↑ 15–25%

CLINICAL OUTPUT

This graph demonstrates the time-dependent clinical benefits of the ingredient on scalp health. Scalp hydration increases rapidly by **%60–35 within 30 minutes** and remains sustained over 28 days. After **14 days, TEWL decreases by %35–20**, indicating improved scalp barrier function and moisture retention. In addition, **scalp elasticity and firmness improve by %25–15 after 28 days**, reflecting enhanced extracellular matrix (ECM) support. Overall, the ingredient provides immediate hydration, strengthens the scalp barrier, and improves long-term scalp structure and resilience.



COMPATIBILITY

Works synergistically with:

- Niacinamide
- Caffeine
- Peptides (e.g., copper peptides)



INDICATIONS

- Dry or Dehydrated Scalp
- Hair Thinning & Reduced Hair Density
- Aging Scalp
- Hair Regrowth & Regenerative Protocols