

The logo for DERMAQUEST features three interconnected hexagonal shapes on the left, resembling a molecular structure. To the right of these shapes, the word "DERMAQUEST" is written in a large, bold, sans-serif font.

DERMAQUEST

Continuing the story of Ferulic Acid in skincare...

by Sam Dhatt

Part 2



The Discovery

I became interested in Ferulic Acid while working with stem cells at my laboratory, Allure Labs. As we researched the benefits of Gardenia Stem Cells, in particular, we realised that in addition to various skin benefits, these plant stem cells contain Ferulic Acid.

Upon finding this, we decided to look further into Ferulic Acid and incorporate it as a single raw material. The results have been incredibly powerful!



A Powerful Anti-Ageing Ally

One of the most profitable segments of the cosmeceutical market is anti-ageing products. The global market for these products is estimated at \$340 billion as of this year^[1]. Within the age management bracket, there is a growing demand for products with effective photo and environmental protection, antioxidants in other words.

Antioxidants have been shown to have a major impact on the outward signs of ageing and Ferulic Acid is the most powerful antioxidant on the market today.

- Ferulic Acid works very well in combination with **Vitamin E and Vitamin C** as these three ingredients produce a synergistic effect to **boost antioxidant activity**.
- Ferulic Acid helps **protect cells against UV damage**, which accounts for

80% of external skin damage, including redness and sunburn. **(It doubles the protection against UV radiation, redness and sunburn)**^{[ii]. [iii]}

- Ferulic Acid stabilises both Vitamin C and E, and slows the degradation of those vitamins in the body. Working in harmony, the three ingredients work to **strengthen capillary walls, heal, protect and brighten skin.**
- Ferulic Acid also **scavenges free radicals to protect cells from environmental damage.**
- It guards cells against the most destructive free radicals, namely superoxide and hydroxyl radical.

^[i] The Bottom Line Report, Sirona Biochem (2013)

^[ii] Ferulic Acid Stabilizes a Solution of Vitamins C and E and Doubles its Photoprotection of Skin. Journal of Investigative Dermatology (2005)

^[iii] Free Radicals and Extrinsic Skin Aging, Dermatology Research and Practice (2012)



The Future of Ferulic Acid

We found that Ferulic Acid works very well with stem cells and peptides, and blending these active ingredients together has improved the performance of already potent formulas.

By using these enhanced products, the overall health and radiance of skin is intensely improved. Long-term use of Ferulic Acid improves **skin texture and tone, giving a healthy, vibrant glow**. The ingredient also addresses **fine lines, wrinkles, hyper-pigmentation and age spots**.

As interest in protection against pollution and photo ageing gains momentum, antioxidants will increasingly become one of the ingredient heroes in anti-ageing formulations. Ferulic Acid is already hailed by those in the know for giving rise to a

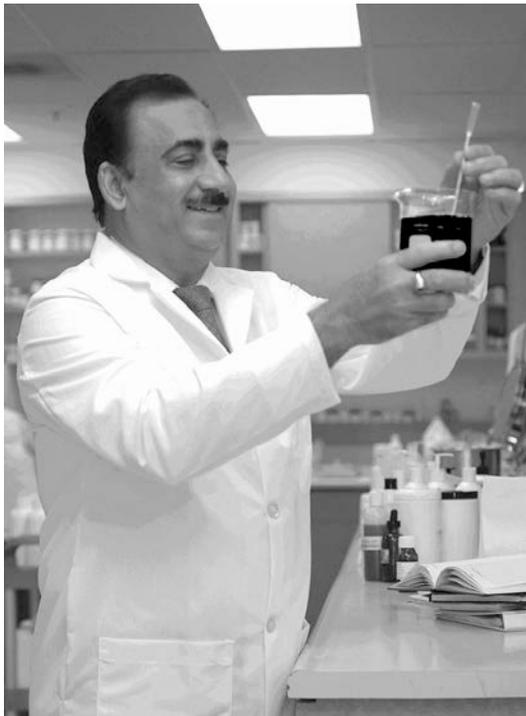
luminous, youthful complexion and is going to be the one to watch in the coming months and years.

DermaQuest is already including Ferulic Acid in:

- STEM CELL REBUILDING COMPLEX (.1% FA)
- PEPTIDE LINE CORRECTOR (.1% FA)
- ESSENTIAL B5 HYDRATING SERUM (.1% FA)
- C INFUSION SERUM (.5% FA)

Products set to be reformulated to include Ferulic Acid later in the year:

- B5 MOISTURE MATTE (.1% FA)
- STEM CELL 3D HYDRAFIRM (.1% FA)



With more than 25 years' experience formulating cutting-edge blends for the cosmeceutical industry, world respected California-based chemist, **Sam Dhatt**, formulates with the most exciting active ingredients on the market today.