



Deveraux Specialties
est. 1998

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DL Linefade™

Olive Leaf Active for Anti-Aging Skin Care

DEJ Collagen IV Activator Delivering *Retinoid-Like* Benefits

 Erases fine lines by reducing wrinkle depth in as early as 15 days

 Lifts and re-volumizes sagging skin in as early as 45 days

 Smooths the appearance of crepey and dry, rough skin

 Amplifies performance of **retinol** and **niacinamide**



The --- Olive Leaf



Native to the Mediterranean basin the leaves of the olive tree have had a long human use history dating back to Egyptian times with continued use in folk medicine and to current day applications.

Olive leaf extractions are known for antioxidant, anti-inflammatory, anti-bacterial properties and other bio-activities.

The leaves contain a complex variety of bioactive substances including phenolic compounds, triterpenic acids, iridoids, and sugars. Among these some major constituents include: oleanolic and maslinic acids, oleuropein, oleuropeoside, ligustroside, hydroxytyrosol and their glucosides, and mannitol. These compounds impart a wide range of benefits for topical skin care.

DL Linefade™

Product Information

DL Linefade™, a vegan bio-active complex, is derived from 100% renewably-sourced plant-based materials. reverses the age-related appearance of wrinkles and sagging skin by targeting a key protein, collagen IV, which anchors the epidermis to the dermis.

The proposed mechanism of action involves PPAR- α and its related retinoid pathways, as referenced in 'PPAR- α agonist-containing olive leaf-derived complex induces collagen IV in human skin models.' *Int J Cosmet Sci.* 2021 Oct 18.

Product Information

Trade Name: DL Linefade™

INCI Name: Glyceryl Ricinoleate, Dimethyl Isosorbide, Olea Europaea (Olive) Leaf Extract.

Origin: 100% plant renewably sourced

Appearance: Clear to slightly hazy liquid

Color: Transparent to slightly hazy yellow

Odor: Characteristic

Solubility: Liposoluble

Use Level: 1 to 3%

Country of Origin: USA

CONFORMS TO VARIETY OF GEOGRAPHIC REGULATIONS, CLEAN BEAUTY RETAIL STANDARDS AND CONSUMER CERTIFICATIONS.

Regulatory Compliance Report available upon request.



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Clinically Proven to Reduce Signs of Aging

In vitro cell culture studies demonstrated significant increases of collagens I and IV (+221% and +319% respectively). Ex vivo human skin explant studies have shown increases in ceramides and collagen IV (+25%, +52% respectively).

Using VisioTOP-300 + AEVA-V3 imaging and analysis techniques, a twenty-subject single-blinded randomized split-face study was conducted over 45 days; and showed statistically significant improvements in both crow's feet wrinkles and facial sagging.

Protocol:

Single-blinded randomized study with placebo control

3-D macrophotographic image analysis with VisioTOP-300 + AEVA software

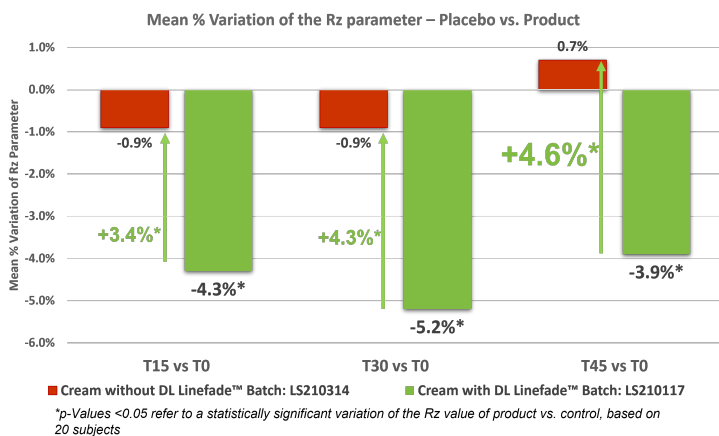
Testing Points:

- Crow's feet roughness and wrinkles efficacy (Rz parameter mean depth of wrinkles)
- Jaw contour sagging (positive volume parameter by instrument measurement)

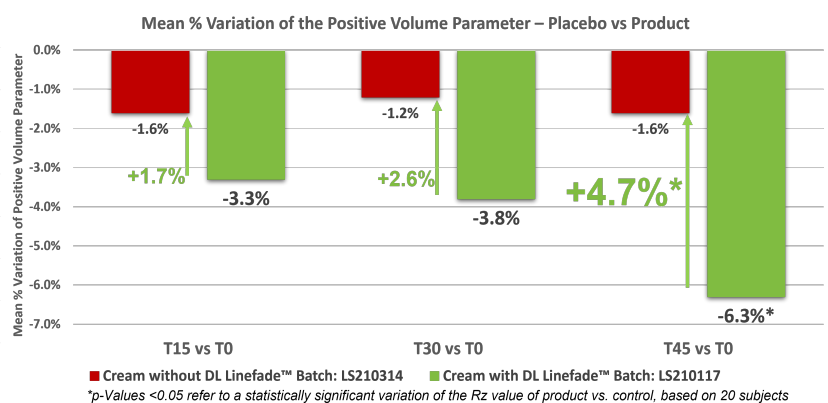
20 human subjects; between the ages of 35-65; half face application with placebo and test cream

Product applied twice daily, measurements taken at **Days 0, 15, 30, and 45.**

Ingredients	Placebo Cream w/w%	DL Linefade™ Cream w/w%
Water	Qs.	Qs.
Geogard Ultra Non-GMO	1.00	1.00
Niacinamide USP	3.00	3.00
Glycerin	3.00	3.00
Cetyl Alcohol	4.00	4.00
Caprylic/Capric Triglyceride	5.00	5.00
IPM 1514	7.00	7.00
DL LineFade™	0.00	2.00
Olivoil Glutamate	6.00	6.00



***Change in wrinkle depth in respect to placebo**



***Change in sagginess in respect to placebo**




DL Linefade™

Applications

Skin care and makeup products which target age-related changes in skin. DL Linefade™ can support claims pertaining to managing the visible signs of wrinkles, sagging skin, minimizing the appearance of crepey skin, skin firming and lifting, line filling and skin smoothing.

DL Linefade™ has been shown to improve the performance of niacinamide-based formulations.

This ingredient is soluble in polar lipids and can be formulated into a variety of skin care products including facial creams, gels, serums, neck creams, barrier skin care formulations, sustainable vegetable origin products and body care products.

-  Skin firming/lifting
-  Minimizing crepey skin
-  Line filling/skin smoothing
-  DEJ strengthening/Anti-sagging
-  Wrinkle reducing
-  Niacinamide performance enhancing
-  Vitamin A Boosting
-  Neck creams
-  Skin barrier enhancing
-  Sustainable vegetable origin
-  Formulates into skin care and color

