

# PRESS RELEASE

## THE INNOVATIVE ART OF SKIN HEALTH

Our refreshingly innovative approach to enhancing skin health allows us to create new products that support multi-functional benefits while delivering rapid results.

### SYNERGY advanced serum

# THE INNOVATIVE ART OF SKIN HEALTH

pHformula is an international dermatological skincare company that uses pharma-grade ingredients - the highest and purest quality raw materials - in its product formulations and in its approach to chemical skin resurfacing.

We practice the art of controlled chemical skin resurfacing at a pharma cosmeceutical level. Our non-invasive, customised skin resurfacing treatments are the result of more than three decades' of scientific, medical and skin health experience.

Targeted at the specific needs of our four identified skin disorders ranging from ageing, hyper-pigmentation, skin redness to acne-prone skin, key ingredients are applied to the skin combined with acids and our unique delivery vehicle complex, PH-DVCT™. All the elements together, deliver protons to the different layers of the skin in a controlled manner. This release of protons result in accelerated cell turnover and optimum skin regeneration with no downtime.

## ABOUT SYNERGY advanced serum

An age-reducing, concentrated serum with an innovative synergy of ingredients to address multiple signs of ageing and improve skin texture, resulting in a healthy, vibrant skin. This advanced serum contains growth factors and a micro-algae derived bio-retinoid for a multi-dimensional activity. Contributes to minimising fine lines and wrinkles, visibly firming and providing skin elasticity. Recovers skin luminosity with a lifting effect. Quick-absorbing with a silky finish.

The synergistic effects of **Liposomed growth factors**, **microalgae derived Bio-retinoid with retinol-like properties** and **ubiquinone** contributes to minimise fine lines and wrinkles, visibly firms, provides skin elasticity and promotes cell activation. **Secretome growth factors** are key for intercellular communication to preserve the skin extracellular matrix, increase collagen and elastin production as well as increase the regenerative potential of fibroblasts. It has proven to redefine the facial contour with a firming effect, provides an elevating lifting effect, and recovers skin luminosity. **Niacinamide** in synergy with **Mandelic acid** and **Glycyrrhetic acid** target *inflammaging*, helping to inhibit pro-inflammatory mediators and light damages. **Niacinamide** contributes to the enhancement of the skin barrier function, reduces skin sallowness (yellowing), redness, and blotchiness as well as the appearance of fine lines, wrinkles, and hyperpigmentation. MD SYNERGY advanced serum is a quick-absorption serum with a silky finish.



## **NIACINAMIDE**

Skin soothing action targeting inflammaging. It has potent antioxidant properties and contributes to the stimulation of collagen synthesis to help reduce the appearance of fine lines and wrinkles. Niacinamide helps to reduce skin sallowness (yellowing), redness and blotchiness. Contributes to the improvement of the skin barrier function and in reducing trans epidermal water loss. Additionally, slows down melanosome transfer to the keratinocytes to contribute to the reduction in hyperpigmentation.

## **PENTYLENE GLYCOL**

promotes skin moisture and boosts the performance of other key ingredients while improving the sensorial profile of the formula and helping to protect the product.

## **LIPOSOMED GROWTH FACTORS**

is a complex consisting of 5 growth factors, an amino acid and a vitamin that is stabilised within a liposome, improving its penetration and efficacy. The Liposomed growth factors consists of EGF (Epidermal Growth Factor), IGF-1 (Insulin-like Growth Factor 1), acidic and basic FGF (Fibroblast Growth Factor), VEGF (Vascular Endothelial Growth Factor), fermented folic acid (vitamin B9) and an amino acid, Acetyl Glutamine. Working in synergy for a powerful anti-wrinkle effect due to improved collagen and elastin synthesis, promotion of cell proliferation, differentiation and migration and enhanced wound healing effect. Cells are revitalised due to improved cell energy. Skin hydration is improved which will help to reduce trans epidermal water loss and improve skin barrier function.

## **MANDELIC ACID**

water soluble alpha hydroxy acid (AHA). Due to its aromatic ring structure, Mandelic acid consists of some lipophilic properties as well. Mandelic acid not only has a soothing action targeting inflammaging on the skin but is also a gentle acid suitable for sensitive skin. Due to being one of the highest molecular weight AHAs, it penetrates gradually and uniformly into the skin. Its keratolytic properties promotes cell turnover and renewal, helps to refine uneven skin texture, contributes to the stimulation of collagen and GAGs, and contributes to a more even-toned complexion. Mandelic acid also helps to reduce hyperpigmentation dyschromia's and contributes to the reduction in post inflammatory hyperpigmentation (PIH). Mandelic acid has antimicrobial properties.

## **SECRETOME GROWTH FACTORS**

Orchid stem cell extract obtained from the Calanthe discolor orchid, stimulates adipose tissue-derived stem cells for them to produce a secretome rich in growth factors TGF-β1 (Transcription Growth Factor Beta 1), EGF (Epidermal Growth Factor), FGFb (basic Fibroblast Growth Factor), PDGF-AB/BB (Platelet-derived Growth Factor) and VEGF (Vascular Endothelial Growth Factor). Secretome growth factors improves cell communication and therefore contributes to the improvement in collagen and elastin synthesis; helps to improve fibroblast migration and proliferation; promotes the increase in the regenerative potential of fibroblasts; and allows a greater expression of genes essential to preserve the extracellular matrix. Secretome growth factors also helps to reduce the appearance of fine lines and wrinkles with a visible age-reducing effect. This results in a firmer and brighter skin with a redefined contour.

### **MICROALGAE DERIVED BIO-RETINOID**

Microalgae derived Bio-retinoid is a next generation bio-retinoid of Xanthophylls' apocarotenoids encapsulated in a delivery system, combining pharma-grade liposomes with a patented marine biopolymer coating for optimal dermal penetration and excellent stability. *Chlorella vulgaris extract* is an excellent skin firming and tightening ingredient on both epidermal, dermal, and dermo-epidermal junction. It helps to inhibit MMPs (Matrix Metalloproteinase enzymes), degrading skin proteins such as collagen and elastin as well as promoting the synthesis of collagen and the expression of elastin and dermal-epidermal junction proteins, resulting in age-reducing benefits. Helps to reduce the appearance of fine lines and wrinkles. Powerful antioxidant that helps to improve endogenous skin defence mechanisms to help protect skin cells against several types of ageing-causing free radicals. It has moisturising and soothing properties and assists to reduce pore size.

### **GLYCYRRHETINIC ACID**

has skin soothing and antioxidant properties. Its skin soothing action targeting inflammaging can suppress the expression of pro-inflammatory genes, helps to inhibit the production of pro-inflammatory cytokines, influences the transformation of arachidonic acid into pro-inflammatory leukotrienes and may reduce the expression of pro-inflammatory proteins. Glycyrrhetic acid can activate the intracellular antioxidant system, helping to inactivate free radicals generated by UV light, and contributes to inhibit lipid peroxidation. Helps to reduce hyperpigmentation as a tyrosinase inhibitor, it has a brightening action through melanin dispersion, and it helps to accelerate epidermal turnover. It has antimicrobial properties.

### **CARROT OIL**

contains potent antioxidants (carotenoids, vitamins A, and E) to help protect the skin against free radical attack and lipid peroxidation. Promotes cell regeneration and has age-reducing properties. Helps to restore the skin barrier function.

### **UBIQUINONE**

Co-enzyme Q10 helps to reduce free radical damage via its antioxidant properties. As a bioenergetic ingredient, it is crucial for the production of cellular energy (ATP) which helps to activate cells. CoQ10 is characterised as a tyrosinase inhibitor that helps to reduce hyperpigmentation.

### **SHEA BUTTER**

*Butyrospermum Parkii butter* is composed of mainly oleic and stearic acids and has rich emollient benefits that helps to maintain moisture in the skin by reducing trans epidermal water loss.

## SYNERGY advanced serum HIGHLIGHTS

- Triple soothing effect (Niacinamide, Mandelic acid, Glycyrrhetic acid) → targeting inflammaging.
- Triple age-reducing effect (Microalgae derived Bio-retinoid, Liposomed – and Secretome growth factors).
- Cell activation → skin elasticity (Niacinamide, Liposomed Growth factors, Secretome Growth factors, Ubiquinone and Carrot oil).
- Skin brightening and reduction of superficial hyperpigmentation (Niacinamide, Mandelic acid, Glycyrrhetic acid and Ubiquinone).
- Improves skin texture (Mandelic acid).
- Improved skin penetration due to Liposomed structures and Lecithin.
- Quick absorption with a silky finish.



## DIRECTIONS FOR USE

- Use during treatment period as well as during recovery time after treatments to enhance and maintain overall skin resurfacing results.
- Apply 1-2 pumps on clean, dry facial skin in the evening.
- Complete evening routine with the recommended pHformula moisturiser.

## ABOUT pHformula

Represented in more than 40 countries worldwide and based in Barcelona, pHformula is a dermatological skincare company that prides itself in the art of skin health. Using pharma-grade ingredients consisting of the highest and purest quality raw materials in its product formulations, pHformula is innovative in its controlled chemical skin resurfacing approach. Its formulations feature a unique and exclusive delivery vehicle complex - PH-DVC™ - to provide quick penetration, improved bio-availability of the ingredients thereby minimising the possible side effects associated with traditional skin peeling. pHformula not only develops controlled chemical skin resurfacing products of the highest level, but also offers the ART of skin resurfacing - a complete treatment system for the professional (skin therapists, aesthetic nurses and doctors) to achieve optimum results in our four identified skin disorders.



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## BENEFITS

- Significant fine line and wrinkle reduction.
- Facial contour redefinition.
- Improved skin elasticity.
- Radiance and vitality.
- Refined skin texture.
- Plump and hydrated skin.