# **Branded Ingredients**

Scientifically supported botanical ingredients, enriched with innovative bioactive compounds



Monteloeder





### A global leading in the supply of scientifically validated botanicals extracts for food and beverage, wellness and beauty (nutraceuticals).

Founded in 1996, we have built a reputation of trust in the nutraceutical and functional foods sectors worldwide, focusing on quality, science, and innovation.

Our manufacturing facilities adhere to strict quality standards, including ISO 9001 and GMP certifications, ensuring the delivery of the highest quality products. In 2022, Monteloeder joined the SUANFARMA group. This move allows us to expand our product offerings and strengthen our market-leading R&D department for scientifically proven branded ingredients.

We are committed to innovation, development, and sustainability, collaborating with prestigious research centers globally to guarantee the effectiveness of our ingredients. Our products undergo rigorous internal quality controls and comply with the most stringent quality regulations, including HACCP, cGMP (21 CFR 111) (21 CFR 117), and ISO 9001:2015.

At Monteloeder, maintaining the highest standards in quality has always been a part of our DNA, and we are dedicated to providing top-quality ingredients and market-savvy advice to enhance our customers' success.





# **BRANDED INGREDIENTS**

# Innovative clinically supported health ingredients

All our Innovative Ingredients are developed in response to market needs, based on scientific studies and expert selection of innovative botanical biomolecules capable of providing high added value.

All our products are tested through in-depth analysis using highly reliable techniques in fully equipped laboratories, ensuring full traceability and control of our ingredients.

### **HEALTH & WELLNESS**



metabolaid

Weight management

and healthy metabolism

relaxplx

Relaxation & sleep support



### **BEAUTY FROM WITHIN**













Awarded & Natural alternative for a healthy metabolism

metabolaid® is a proprietary, patented formulation of standardized herbal extracts: hibiscus and lemon verbena. The combination of its active compounds, mainly anthocyanins in the hibiscus and verbascoside in the lemon verbena extract, has a synergistic effect on AMPK activation, increasing over 6-fold that of the individual extracts<sup>9</sup>.

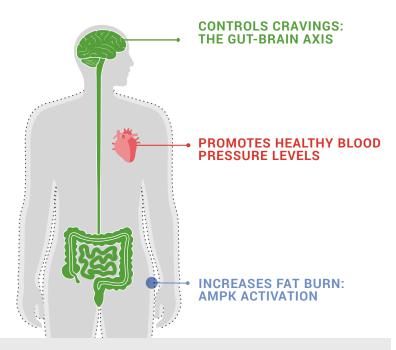
- · Recommended daily dosage: 500 mg/day
- Supported by 7 gold-standard clinical trials<sup>1-7</sup> · Patented (ES2661579A1)
- · metabolaid® is a complex weight management ingredient and supports healthy body weight, blood pressure and encourage you to eat less<sup>1-7</sup>
- · Additional study shows the prebiotic effect of metabolaid®8

### **MECHANISM OF ACTION: AMPK ACTIVATION**

The mechanism by which metabolaid® exerts its effect in the adipose tissue, muscles and liver is through the activation of the AMPK pathways.

AMPK acts as a metabolic switch in the cells. When it is activated, it increases the mitochondrial activity, cascading into increased energy consumption and favoring the use of stored energy (i.e. fat stored in the adipose tissue). This ultimately causes the body fat to be "burned off".

### **METABOLAID® HELPS TO:**



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Hibiscus

. . . . . . . . . .

Lemon verbena

· 9 scientific publications · 7 clinical studies · 1 approved Health Claim in S. Korea: metabolaid® may help to reduce body fat

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he project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 783838



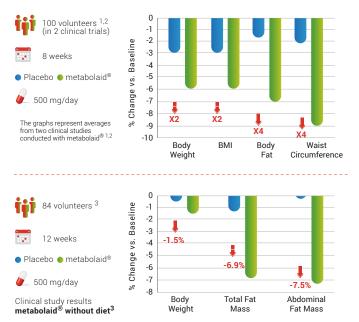






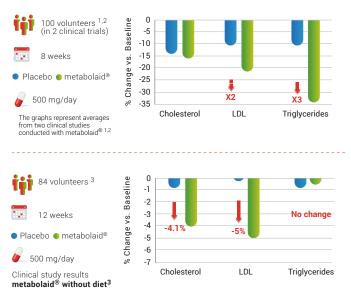
### Supports a healthy weight management\*

metabolaid® has been scientifically proven to support healthy weight loss, body fat loss, and waist circumference 1-3\*.



#### Supports a healthy cholesterol level\*

metabolaid® helps maintain healthy cholesterol and triglyceride levels, when combined with a healthy lifestyle of diet and exercise.<sup>1</sup>

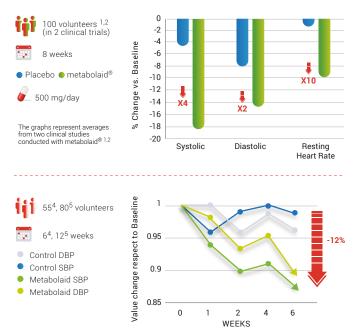


#### REFERENCES CLINICAL STUDIES PUBLISHED ON metabolaid® [1] Boix-Castejón M et al (2018). Food Funct. 9(6):3173-3184.

- [2] Herranz-Lopez M et al (2019). Scientific Reports 9, Article number: 2999.
- [3] Marhuenda J et al (2020). Foods 9(1), 55.
- [4] Boix-Castejón M et al (2021). Journal of Functional Foods, Volume 84, 104583, ISSN 1756-4646, https://doi.org/10.1016/j.jff.2021.104583.
- [5] Marhuenda, J et al (2021). Molecules, 26, 1783. https://doi.org/10.3390/molecules26061783 [6] Serna A. et al (2021). Eur J Nutr. 2021 Sep 30;
- [7] Lee YS et al (2018). Nutrients. 10(9). pii: E1204
- [8] Bartolomé et al (2022). J Funct Foods Volume 91, 105016.
- [9] Martínez-Rodríguez, A et al (2022). Sensors (Basel, Switzerland) vol. 22,3 768. 20 Jan.

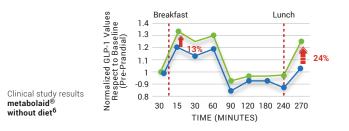
### Supports a healthy blood pressure levels\*

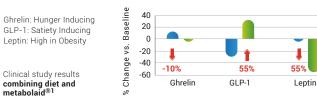
metabolaid® supports healthy blood pressure levels and resting heart rate, even in absence of diet and exercise.1-2,4-5\*



#### Appetite sensation\*

metabolaid® helps reduce hunger and contributes to reducing calorie intake, by modulating the satiety gut hormone GLP-1.1.6\*





### HIGHLY VERSATILE FOR ALL APPLICATIONS

| Powders<br>& Granules | Capsules   | Soft Gels                         |
|-----------------------|------------|-----------------------------------|
|                       | Gummies    | Ready-to-drink                    |
|                       | & Granules | Powders<br>& Granules<br>Capsules |



increase REM<sup>4\*</sup>.





## A natural aid to support **sleep and relaxation**

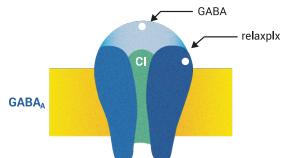
**relaxplx**<sup>®</sup> is a natural sleep and relaxation aid based on lemon verbena standardized in verbascoside and phenylpropanoids.

# <code>relaxplx®</code> helps cope calmly with the occasional stress, to maintain a good mental condition and to obtain emotional comfort<sup>4\*</sup>.

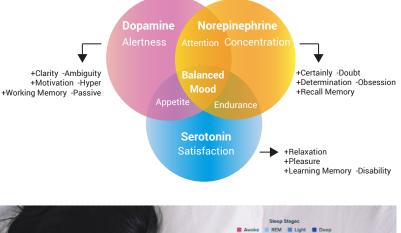
In an additional clinical study on volunteers who did aerobic exercise 3 days a week, relaxplx® improved their mood and helped them sleep for longer<sup>3\*</sup>.

### MECHANISM OF ACTION

relaxplx® increase Neuron Sensitivity to GABA1



 $\ensuremath{\textit{relaxplx}}$  also increase Serotonin, Noradrenaline / Noreponephrine, and Dopamine^2



"These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure or prevent any disease."



REFERENCES CLINICAL TRIALS

[1] Animal Studies: Razavi BM et al (2017). Anti-anxiety and hypnotic effects of ethanolic and aqueous extracts of Lippia citriodora leaves and verbascoside in mice. Avicenna Journal of Phytomedicine 7(4): 353-365.
[2] Sabit, M et al (2019). "Elucidation of the Molecular Mechanism Underlying Lippia citriodora(Lim)-Induced Relaxation and Anti-Depression" International Journal of Molecular Sciences 20, no. 14: 355-63
[3] Martinez-Rodriguez A et al (2015). Biochemical and psychological changes in University students performing aerobic exercise and consuming lemon verbena extracts. Current Topics in Nutraceutical Research 13(2): 95-102.
[4] Martinez-Rodriguez A et al (2022). Anxiolytic effect of improved sleep quality in individuals taking Lippia citriodora extract. Nutrients 14, 218







### Natural ingredient to **help maintain an active lifestyle** throughout your life

**move!plx®** is a botanical extract derived from the leaves of the lemon verbena plant (*Lippia citriodora* or *Aloysia triphylla*). This plant, native to South America, has been traditionally used in Europe, in the form of teas and drinks, especially the Mediterranean, thanks to its benefitial properties.

Lemon verbena has a higy polyphenolic content, being verbascoside one of the most abundant. These polyphenols confers the plant the wellness properties described. In this sense, move!plx® is obtained through a unique extraction process to concentrate the final product in verbascoside, resulting in one of the most purified forms ( $\geq$ 25%) available on the market with this plant.

# move!plx® HELPS TO ENHANCE THE BODY'S NATURAL ANTIOXIDANT DEFENSES\*

The results with move!plx<sup>®</sup> indicate that the active compounds of the ingredient increase the expression of several endogenous antioxidants, while also reducing pro-inflammatory and muscle/joint damage markers\*.

**move!plx®** is therefore particularly indicated to **support an active lifestyle** by helping our body to remove the free radicals that are developed during physical activity.



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Soft Gels

20

Tablets

Ready-to-drink

# SLEEP/WEEK

**HIGHLY VERSATILE FOR ALL APPLICATIONS** 

50

Capsules

moveplx® is supplied as a powder that is easy to formulate in tablets, capsules and ready to drink supplements.

Daily recommended dosage: 400 mg/day.

# Powders & Granules

#### REFERENCES CLINICAL STUDIES PUBLISHED ON MOVE!PLX

• Funes L. et al. "Effect of lemon verbena supplementation on muscular damage markers, proinflammatory cytokines release and neutrophils' oxidative stress in chronic exercise". Eur. J. Appl. Physiol. 2011; 111(4):695-705. Carrera-Quintana' L et al. "Antioxidant effect of lemon verbena extracts in lymphocytes of university students performing aerobic training program." Scand. J Med. Sci. Sports. 2012; 22 (4):454-61.
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Wartinez-Rodriguez A et al. "Biochemical and psychological changes in university students performing aerobic exercise and consuming lemon verbena extracts". Current Topics in Nutraceutical Research. 2015, Vol 13 Issue 2, p95-102.
Catural N, et al. "A randomized, double-blinded, placebo-controlled study of the effect of a combination of lemon verbena extract and fish oil omega-3 fatty acid on joint management". J. Altern. Complement. Med. 2011; 17 (11):1051-63.





# The best natural adjunctive for topical sunscreens to **improve the appearance** of your skin

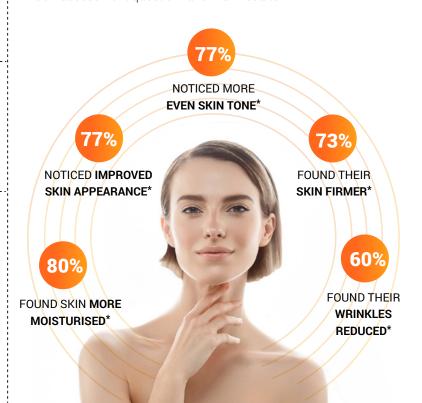
**nutroxsun®** is a clinically proven natural combination of extracts from Mediterranean Rosemary and Grapefruit that protects the skin from the inside out against environmental stressors<sup>1,2\*</sup>.

To increase solar protection, it is important to combine both topical and oral photoprotection. **nutroxsun®** is a healthy addition to the everyday sun care routine\*

- 100 mg/day
- The best adjunctive to a topical sunscreen\*
- 2 Clinical studies<sup>1,2</sup>
- Manages sun exposure without previous intake<sup>1\*</sup>
- nutroxsun<sup>®</sup> can help preserve the skin structure

and maintain young and glowing skin longer1\*

### nutroxsun® CONSUMERS FEEL THE DIFFERENCE: Self-assessment questionnaire main results



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· 2 clinical trials

• Health claims available in Canada and South Korea

Rosemary

Grapefruit

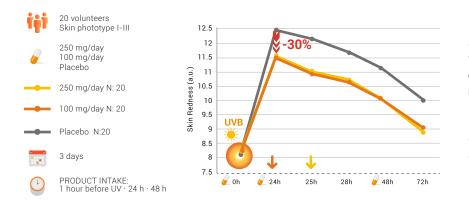
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### NUTROXSUN® CLINICAL TRIALS MAIN FINDINGS

### nutroxsun® helps skin cope with environmental challenges<sup>1,2\*</sup>



nutroxsun<sup>®</sup> (at 100 and 250 mg. dose) administrated 1 h. before sun exposure helps to recover faster. **nutroxsun<sup>®</sup> allows for decreasing the UV-induced erythema reaction from the first-day product intake1\*** nutroxsun<sup>®</sup> consumption significantly increases the individual minimal erythema dose (MED). This increase is accumulative and increases with time<sup>1,2\*</sup>.

### nutroxsun® improves the appearance of your skin\*

As we age, our skin experiences a gradual depletion of collagen and other structural proteins <sup>2</sup>\*. **nutroxsun® consumption rapidly an d significantly reduces wrinkle depth and increases skin elasticity 1**\*.



### **HIGHLY VERSATILE FOR ALL APPLICATIONS**



Daily recommended dosage: 100 mg/day.

#### REFERENCES CLINICAL STUDIES PUBLISHED ON NUTROXSUN®

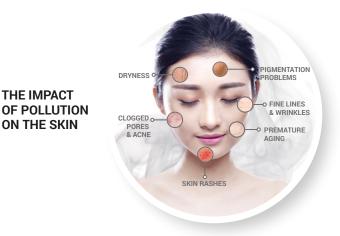
Nobile V, et al. Skin photoprotective and antiageing effects of a combination of rosemary (Rosmarinus officinalis) and grapefruit (Citrus paradisii) polyphenols. Food Nutr Res. 2016.1,60.31871
 Pérez-Sánchez A, et al. Protective effects of citrus and rosemary extracts on UV-induced damage in skin cell model and human volunteers. J Photochem Photobiol B. 2014. 5,136.12-8





### The first oral solution to help skin cope with environmental changes from within

zeropollution® is an all-natural patented ingredient, with a combined formula of botanical extracts such as rosemary, olive leaves, Sophora japonica, and Lippia citriodora. zeropollution<sup>®</sup> provides a comprehensive toolkit for assisting the skin in adapting to internal environmental shifts



zeropollution<sup>®</sup> has been shown to improve the signs of skin ageing, strengthen the skin's barrier function, reduce sebum overproduction and skin sensitivity, and counteract oxidati**ve stress** in women living in highly polluted urban areas<sup>1\*</sup>.

### **HOW IT WORKS?**

1

- Enhances resistance to oxidative stress caused by pollution (antioxidant and radical scavenging activity)\*.
- Reduces the skin inflammation response induced by 2 pollutants\*.
- Significantly inhibits the overactivation of the hydrocarbo-3 naryl receptor (AhR) induced by pollutants. One of the main mechanisms by which air pollution can induce skin damage\*.
- Strengthens the skin barrier by significantly reducing the 4 trans-dermal water loss and increasing skin moisturization\*.
- Controls melanogenesis, which significantly improves the 5 skin radiance and lightens the hyperpigmented areas\*.
- Improves skin aging signs reducing wrinkle depth and 6 improving skin texture, firmness and elasticity\*.
- Reduces sebum secretion and protects skin cells which 7 exacerbate the effect of the other environmental pollutants\*.

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Rosemarv

Olive leaves Sophora

japonica

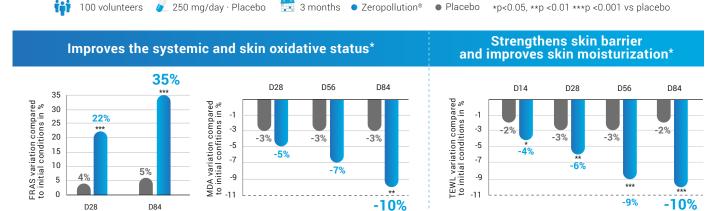
Daily recommended dosage: 250 mg/day.



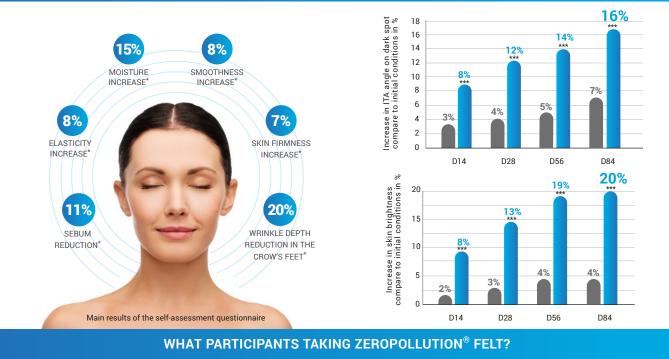








### Improves skin radiance and lightens hyperpigmented areas\*





REFERENCES CLINICAL STUDIES PUBLISHED ON zeropollution: Nobile V et al (2021). Antioxidant and reduced skin-ageing effects of a polyphenol-enriched dietary supplement in response to air pollution: a randomized, double-blind, placebo-controlled study. Food & Nutrition Research 2021, 65: 5619

Capsules

Soft Gels

Tablets

Ready-to-drink

Powders & Granules

formulate in tablets, capsules and ready to drink supplements.

Daily recommended dosage: 250 mg/day.









### Why eternalyoung<sup>®</sup>?

- Recommended daily dosage: 225 mg.
- $\bigcirc$  Supported by 1 clinical study<sup>2</sup>.
- eternalyoung<sup>®</sup> promotes a slower aging process and longer skin longevity, leading to a more youthful, radiant, and better-looking appearance<sup>1\*</sup>.
- eternalyoung<sup>®</sup> helps combat the intrinsic and extrinsic factors responsible for skin ageing<sup>1\*</sup>.

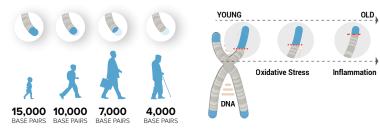
### PATENT PENDING

# First botanical ingredient to **slow ageing** from within

eternalyoung<sup>®</sup> is a patent-pending botanical blend that combines pomegranate (*Punica granatum*), sweet orange (*Citrus sinensis*), Cistanche, and gotu kola (*Centella asiatica*) which, together, demonstrate abilities to promote better skin moisturization, radiance, and elasticity.

The four-extract botanical blend could counteract key mechanisms involved in the skin aging process, including **slowing down telomere shortening rates and reducing the percentage of critically short telomeres**<sup>2\*</sup>.

As we age, our cells eventually reach their final stage of life, called the senescence phase. Each cell has a set biological clock that determines when they reach this phase: the telomere. Telomeres are repetitive DNA base units that protect the chromosome "caps" during cell division. The telomeres shorten after each cell division until they reach a certain length where the cells cease to divide and they enter senescence, producing inflammatory cytokines that disrupt the function of nearby cells and surrounding tissues. This, in turn, causes a decline in both the function and appearance of the skin leading to a decrease in skin's natural self-regenerative potential and a reduction in the collagen and elastin fibers.



### How does it works?

In a 12-week randomized, double-blind, placebo-controlled study of 60 women aged 35 to 69, all of whom exhibited signs of both sun-induced and chronological skin aging, specifically mild to moderate wrinkles and dark spots.

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Each participant received a hard gelatin capsule of 225 mg. of the eternalyoung<sup>®</sup> complex or a placebo to take daily for a period of 12 weeks.

Statistically significant improvements in wrinkle depth, elasticity, firmness, skin thickness, skin moisturization, epidermal water loss, and dark spots pigmentation were observed as early as four weeks. Subjectively, subjects who consumed the botanical blend reported that their skin felt more "radiant, healthy, and youthful."<sup>2\*</sup>

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Powders & Granules Capsules Soft Gels Tablets Ready-to-drink which is index of a less wrinkle depth

. Quiles J, Cabrera M, Jones J, Tsapekos M, Caturla N. In Vitro Determination of the Skin Anti-Aging Potential of Four-Component Plant-Based Ingredient. Molecules. 2022; 27(22).8101. https://doi.org/10.3390/molecules.27228101 2. Nobile, V., Schiano, I., Germani, L., Cestone, E., Navarro, P., Jones, J., & Caturla, N. (2023). Skin Anti-Aging Efficacy of a Four-Botanical Blend Dietary Ingredient: A Randomized, Double Blind, Clinical Study. Cosmetics, 10(1), 16. https://doi.org/10.3390/cosmetics10010016

Daily recommended dosage: 250 mg/day

References:







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