

OXY 229 CB

Breathe New Life
into Your Skin



April 2025

Biotech | Nature, enhanced by science

dsm-firmenich 

OXY 229 CB

ID Card

INCI NAME: Aqua, Glycerin, Caprylyl Glycol, 1,2-Hexanediol, Saccharomyces Lysate, Valine, Threonine, Glutamic acid, Glycine, Disodium Succinate

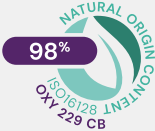
TECHNOLOGY: Contains postbiotics from a specific yeast strain obtained by fermentation and a sophisticated mixture of skin respiration facilitators
98% of natural origin (according to ISO 16128)

TECHNICAL:	Form: liquid Use level: 1–5%	pH of use: 3–7.5 Preservative: free	Solubility: water soluble Biodegradability: readily biodegradable
-------------------	---------------------------------	--	--

BENEFITS:

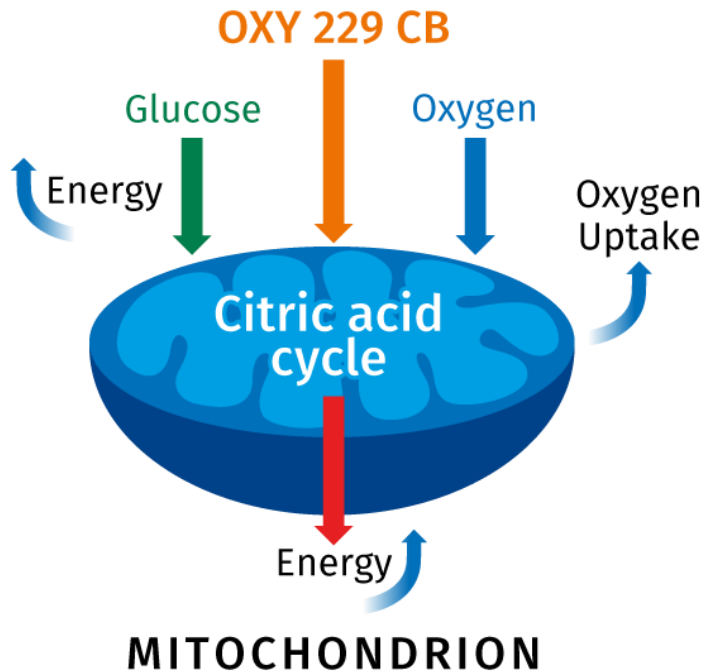
- Helps to increase oxygen uptake to maintain healthy-looking skin glow*
- Stimulates cell viability in the epidermis to revitalize skin*.
- Up to 25% increased cell turnover to revive dull-looking skin**
- Helps to modulate oily skin and rebalances bacteria potentially involved in facial redness**
- Combined with NIACINAMIDE PC, OXY 229 CB ensures a lighter skin tone**

**REGISTRATION
CERTIFICATION**



OXY 229 CB

The mode of action



A healthy glow is the essence of beauty

A healthy glow has a balanced energy metabolism that is responsible for the ability of cells to revitalize and to manage cell turnover.

Over time essential energy processes in the skin slow down; the skin looks tired and dull. Now the skin needs energy.

OXY 229 CB increases cells oxygen uptake for more energy and faster turnover to maintain a healthy-looking skin glow*.

The increase is potentially due to the stimulation of the citric acid cycle that plays a starring role in the process of skin energy production¹.

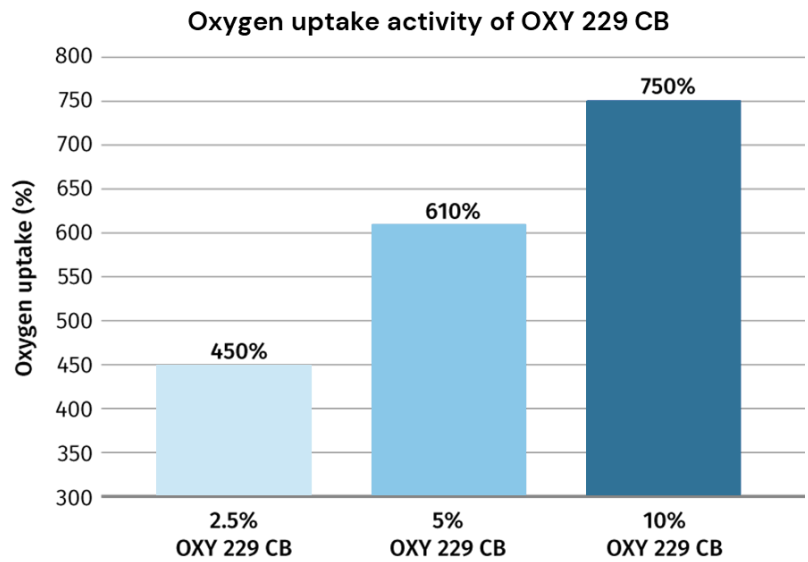
* In vitro

¹R. Schütz et al. / *Journal of Photochemistry & Photobiology, B: Biology* 159 (2016) 142–148

OXY 229 CB

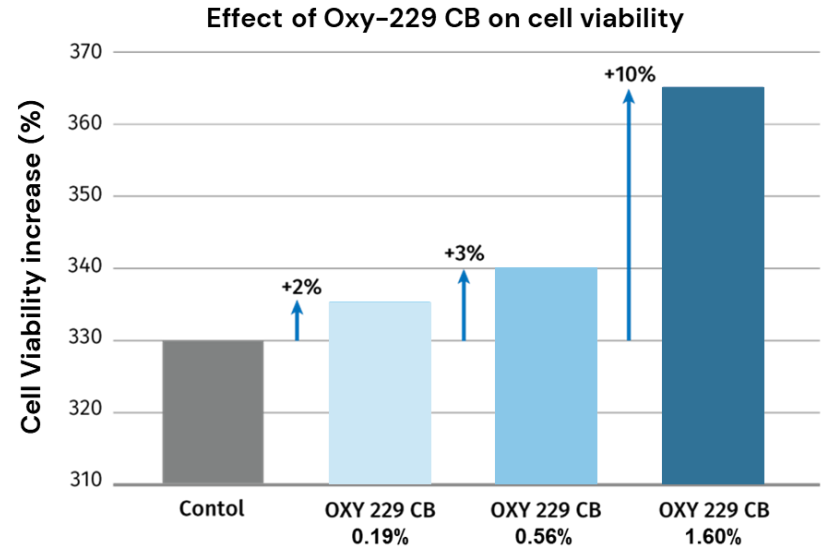
In vitro

Oxygen uptake study



OXY 229 CB enhances cells oxygen uptake by up to 750%*

Cell viability study

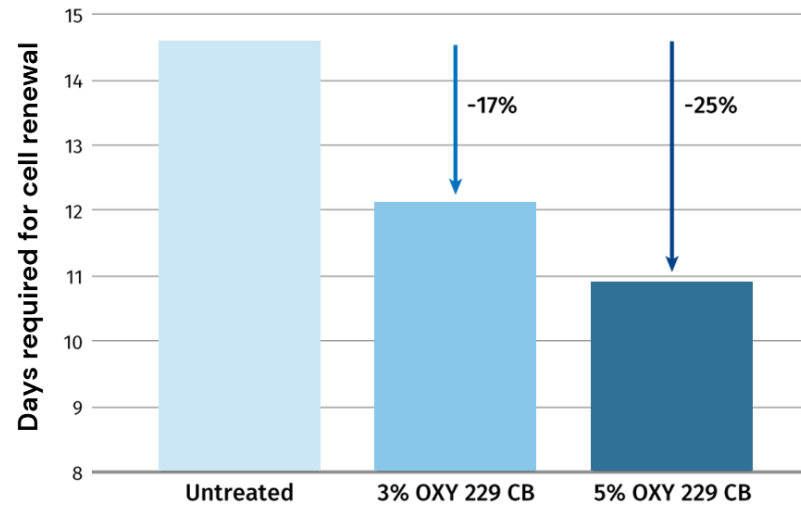


OXY 229 CB induces cell viability by up to 10%*

OXY 229 CB

In vivo

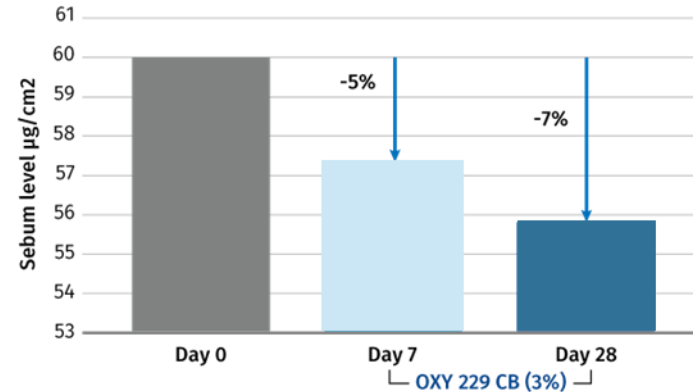
Effect of OXY 229 CB on Cell Turnover Rate



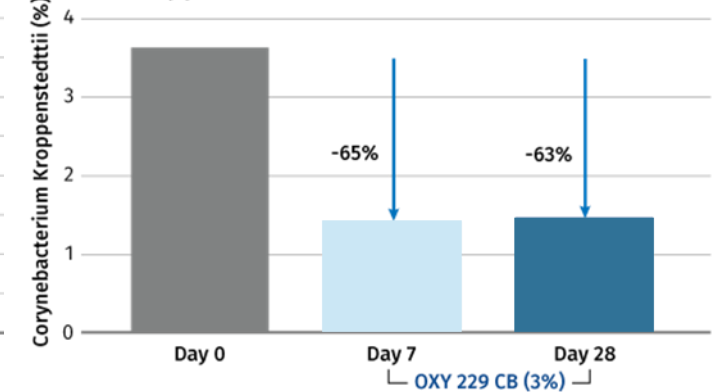
OXY 229 CB dose-dependently stimulates skin cell turnover by up to 25%* to improve the look of tired and dull-looking skin.

Epibiome beauty™ study

Evolution of sebum level with OXY 229 CB



Evolution of Corynebacterium Kroppenstedtii levels with OXY 229 CB



OXY 229 CB helps to control oily skin and rebalances bacteria potentially involved in facial redness:

- Up to 7% sebum reduction
- Up to 65% Corynebacterium Kroppenstedtii reduction

OXY 229 CB plus NIACINAMIDE PC

Significant and visible lighter skin tone

After 1 week

- +13% lighter skin
- -5% melanin

After 2 weeks

- +19% visibly (ITA° > 3) lighter skin
- -7% melanin

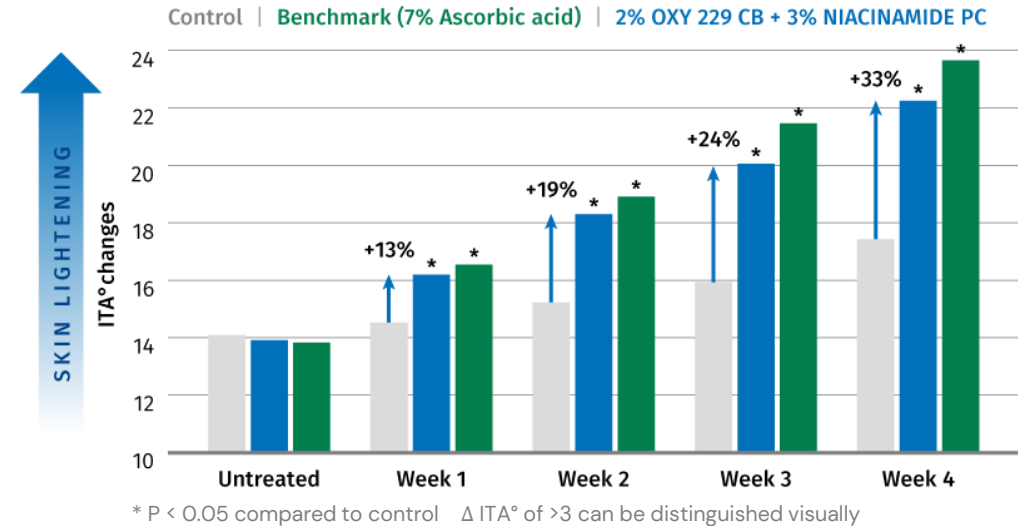
After 4 weeks

- +33% visibly (ITA° > 3) lighter skin
- -14% melanin

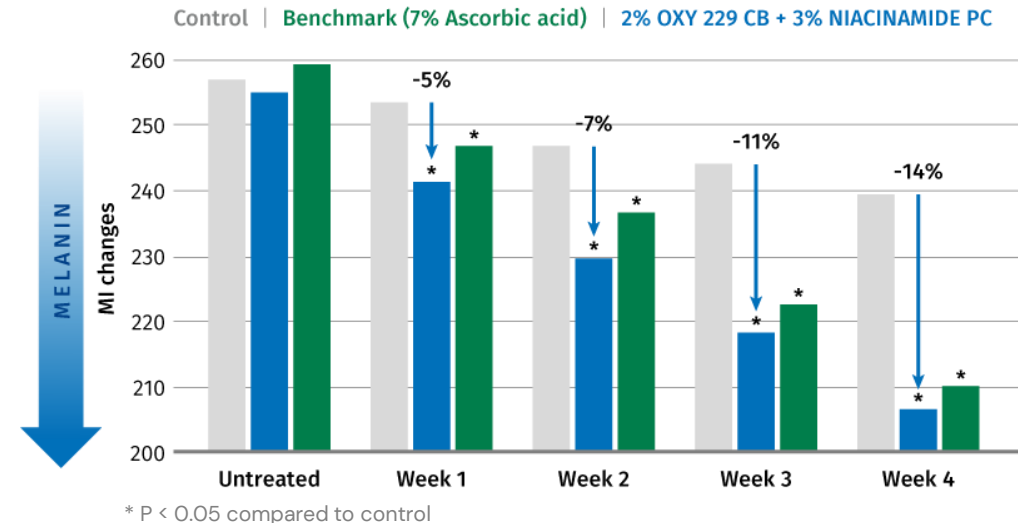
Similar to the benchmark 7% Ascorbic acid

The new power couple OXY 229 CB (2%) and NIACINAMIDE PC (3%) significantly ensures a lighter skin tone

Evolution of ITA° changes



Evolution of Melanin Index (MI) changes



Disclaimer

Copyright © DSM Nutritional Products Ltd 2025, 4002 Basel, Switzerland.
www.dsm-firmenich.com. All rights reserved.

dsm-firmenich has used diligent care to ensure that the information provided herein is accurate and up-to-date to the best of its knowledge. However, dsm-firmenich makes no representation or warranty, either expressly or implied, of the accuracy, reliability, completeness, or suitability thereof. The information provided herein contains scientific and product information for business-to-business use and does not constitute or provide scientific or medical advice, diagnosis or recommendation for treatment options. Country or region-specific information should be considered when labelling or advertising to final consumer. In no event shall dsm-firmenich be liable for any direct or indirect damages arising from or reliance upon, or use of, any information provided herein. The content of this document is subject to change without further notice. Please contact your local dsm-firmenich representative for the latest information. All trademarks listed in this document are either (registered) trademarks of, or trademarks licensed by, the dsm-firmenich group of companies, unless explicitly stated otherwise.

Disclaimer Formulation Guideline

The information provided herein is provided for information purposes only and has been prepared by dsm-firmenich in accordance with its own methodology. dsm-firmenich has used diligent care to ensure that it is accurate and up-to-date, however, dsm-firmenich makes no representation or warranty, either expressly or implied, of the accuracy, reliability, or completeness thereof. In no event shall dsm-firmenich be liable for any damages arising from or reliance upon, or use of, any information provided herein. Further, dsm-firmenich shall not bear any liability for the application and/or use of any processed material containing its product(s). The formulation of the finished product is the customer's sole responsibility. It is the customer's responsibility to determine the suitability of dsm-firmenich's products regarding user specific purposes, assess compatibility and stability of their finished product(s) and to ensure compliance of their finished product(s) with relevant laws and regulations. Any product, marketing or other claims made by customer are its sole responsibility. The content of this document is subject to change without further notice. Please contact your local dsm-firmenich representative for further details. © DSM Nutritional Products AG, 2025.

We bring progress to life