

Powerful Natural Carotenoid for Ocular Nutrition

With a steady increase of baby boomers, the rise in daily consumer digital screen usage particularly through mobile and video streaming, and increased overall digital use due to the COVID pandemic, eye health is top-of-mind among consumers. Our CapsiClear™ capsanthin extract is the only patent pending, clinically studied ingredient that provides a holistic eye health solution for all ages by supporting optimum macular pigment optical density, eye fatigue, intraocular pressure, and blue light protection.*

A photograph of an elderly man with white hair and glasses, smiling. He is holding a red chili pepper in his right hand. The image is partially obscured by a large red diagonal shape that also contains the CapsiClear logo.

 **CapsiClear**™
An optical evolution

For more information visit UnibarCorp.com

CapsiClear™ — Holistic Solution for Vision Health

Benefits of Capsanthin

Capsanthin, derived from *Capsicum annuum*, is a new xanthophyll carotenoid that delivers a more holistic range of benefits than other eye health solutions by addressing both short- and long-term eye health.

We live in a time when digital screens take a lot of our time and attention throughout the day. Despite the benefits of current technology, these digital screens also pose a health risk because of the excessive exposure to blue light and long-term effects on nerve damage.

Recent research has discovered that capsanthin is able to increase macular pigment optical density (MPOD) to deliver protection from blue light.* It takes eye health one step further and also helps to maintain intraocular pressure (IOP) at optimal levels to lower the risk of future eye damage as well as helping to protect against eye fatigue.* **No other compound has been discovered to deliver this powerful combination of benefits.**



Increased
MPOD*



Decreased
IOP*



Blue & White
Light
Protection*



Improved
Photostress
Recovery*

Why CapsiClear?

CapsiClear™ is the first-ever highly enriched and stabilized capsanthin ingredient to be used for both short- and long-term eye health.* Standardized to 50 percent capsanthin, CapsiClear provides a wider spectrum of benefits than other carotenoids of its class.

Clinical studies have shown that CapsiClear is able to deliver significant increases in MPOD for better blue light protection and photostress recovery, resulting in a lower risk of experiencing eye fatigue, and other symptoms of Computer Vision Syndrome.* With daily digital screen time averaging at least 12 hours per day, there is a need for a powerful defense against the damage that may result from the eventual eye strain that occurs.⁵

More importantly, CapsiClear is currently the **most cost-effective solution that can help support optimum IOP levels via an oral application.***



Market Opportunity

14.1% eye health supplement growth in 2020¹

50% of day in front of digital devices due to the COVID pandemic for adults²

14 hours a week playing video games compared to 12 hours in 2018³

3+ hours in front of screen experience can lead to eye strain, fatigue, dryness & headaches⁴

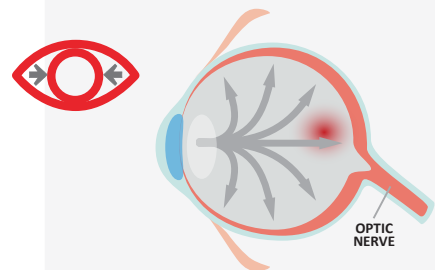


CapsiClear™ vs. Lutein

Lutein and other carotenoids address only a fraction of eye health problems. There is a need for better, more holistic, long-term eye care.

	CapsiClear™	Lutein
Macular Pigment Optical Density:	✓	✓
Blue Light:	✓	✓
Intraocular Pressure:	✓	
Photostress & Eye Fatigue:	✓	
White Light:	✓	

Choose CapsiClear for complete eye-health protection.



Importance of Intraocular Pressure

We're all familiar with that puff of air that hits our eye during our regularly scheduled eye exam. What that is measuring is intraocular pressure. Unbalanced levels of intraocular pressure can lead to:

- Long-term vision health concerns
- Macula damage
- Blurry vision
- Nerve damage

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CapsiClear™ — Science Backed Eye Health Solution

Clinical Results

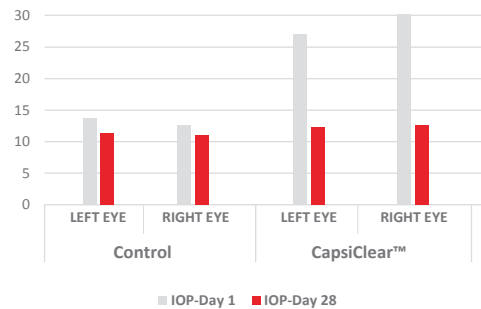
Study #1

CapsiClear™ is the first natural ingredient to be studied for its effects on IOP. A 28-day clinical trial on Wistar rats induced with high intraocular pressure levels presented significant results.

Key Takeaway

After 8 days of CapsiClear consumption, the animals were showing signs of reduced intraocular pressure.* By the end of the experiment, the IOP had returned to a level almost equal to the control group.

CAPSICLEAR™ INTRAOCULAR PRESSURE (IOP)



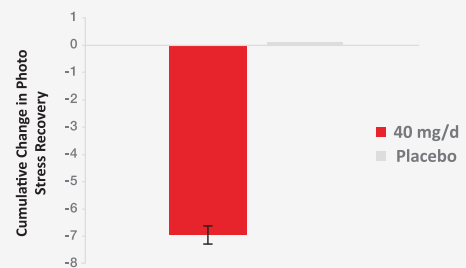
Study #2

A 12-week human clinical study at the *University of North Texas* showed that 40mg of CapsiClear provided significant support for increased MPOD that positively influenced photostress recovery and blue light resistance.* Photostress recovery is a measure of how long it takes for visual acuity to be restored after the retina is overloaded with bright light (as if from the sun or digital screens). Blue light protection was also tested by giving subjects a random passage of words to read as quickly as possible to measure visual acuity.

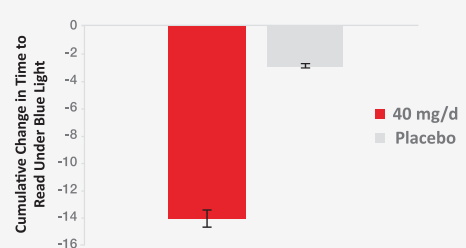
Key Takeaways

Subjects consuming CapsiClear experienced much faster photostress recovery times than those with the placebo. Additionally, reading times under blue light by those consuming CapsiClear outperformed the placebo group by a large margin.* These results display significant improvements to vision performance through the supplementation with capsanthin.

PHOTO STRESS RECOVERY



READING UNDER BLUE LIGHT



CAPSICLEAR MECHANISM-OF-ACTION

A recent study revealed that, after supplementation, significant levels of capsanthin were found present within ocular plasma and macula samples. Capsanthin within the plasma was also found to be significantly higher than within the macula. This shows that CapsiClear supplementation results in clear and lingering benefits to the ocular system.

CapsiClear™ — The Sustainable Choice

We Value Sustainability and Quality

Unibar is dedicated to manufacturing sustainable ingredients that are as kind to the earth as they are to the human body.

By working with reliable and responsible farmers, Unibar can provide its customers with high-quality, sustainable CapsiClear. It's important that our farmers share our values by farming responsibly and respecting the environment.

Unibar sets strict requirements with its growers to ensure protection for:

- Communities
- Ecosystems
- The Supply Chain
- Finished product

Unibar adapts Transparent and Fair-Trade policy when sourcing any raw materials, none of which come from endangered plant species. For CapsiClear, the farmers are provided a specific variety of Chili seeds and the planting, growing and harvesting are monitored by Unibar to ensure everything is accomplished responsibly and with the utmost excellence.

CapsiClear is the only clinically studied and cost-effective option for a holistic range of eye health benefits including intraocular pressure. Contact us to learn more and request a sample.



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*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

References:

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2. https://www.nutraceuticalsworld.com/contents/view_breaking-news/2020-03-20/unibar-to-launch-capsiclear-a-breakthrough-capsanthin-supplement/
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4. Vander, J. F., & Gault, J. A. (2016). Ophthalmology Secrets in Color.
5. <https://www.forbes.com/sites/nicolefisher/2019/01/24/how-much-time-americans-spend-in-front-of-screens-will-terrify-you/?sh=70ce04c61c67>

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