

LutaReal® FC100



# Innovate Eye Health Products with Ease



## AstaReal® Launches Breakthrough Technology Built on a Trusted Ingredient

**LutaReal® FC100 Premium 1% Lutein Liquid Emulsion can reinvent your product line with water-soluble lutein that delivers superior absorption and unmatched formulation versatility.**



AstaReal's new ingredient unlocks liquid formulations to create effective lutein products that customers actually absorb. This innovative, 1% lutein liquid emulsion delivers **3x better bio-accessibility** than traditional oil-based alternatives, giving your products a competitive edge in the growing eye health market.

### Primary Applications

- **Liquid Supplements** - Syrups, wellness shots, functional beverages.
- **Pediatric & Geriatric Products** - Easy-to-swallow formulations.
- **Sports & Functional Drinks** - Enhanced performance beverages.
- **Fortified Foods** - Nutrition bars, meal replacements, functional water.

### Proven Health Benefits

- **Supports vision health** by filtering blue light in the macula and combating oxidative stress in the eyes.
- **Enhances visual performance**, including contrast sensitivity and glare recovery.
- **Promotes cognitive health** including memory and processing speed for better performance in cognitive tasks.

### Clean, Consumer-Friendly Profile

- **Mild flavor and odor** provide a sensory-tested solution suitable for beverages and syrups.
- **Non-GMO** and **vegetarian-friendly** for clean label appeal.



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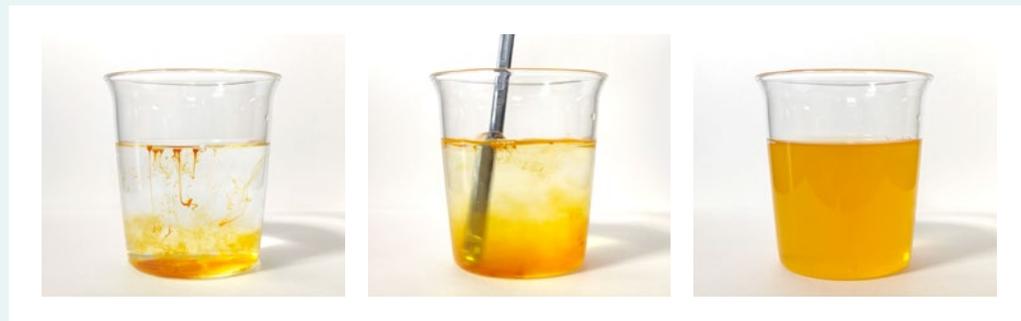
### Key Liquid Performance Advantages

**3x enhanced bio-accessibility** compared to lutein oil through improved micelle formation.

**Zero separation** or settling even at 40°C.

**Seamless integration and consistent potency** pH stable across acidic ranges (3.0-5.0) with >97% lutein retention after 4 weeks at 50°C.

**24-month shelf life** in recommended storage conditions ensures product integrity.



Traditional Lutein	LutaReal® FC100 Advantage
Poor bioavailability	3x better bio-accessibility
Limited formulation options	Works across all liquid formats
Sedimentation issues	Zero separation problems
Requires oil suspension	Water-soluble convenience

Contact Us To Learn More About Gaining Your **Competitive Edge.**

### Get Started On Your Eye Health Innovation Today!

**Ready to revolutionize your eye health products?** Our technical team provides comprehensive support to ensure your success.

### We Provide:

**Expert Technical Support**  
Formulation guidance from our specialists

**Free Samples**  
Test LutaReal® FC100 in your applications

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