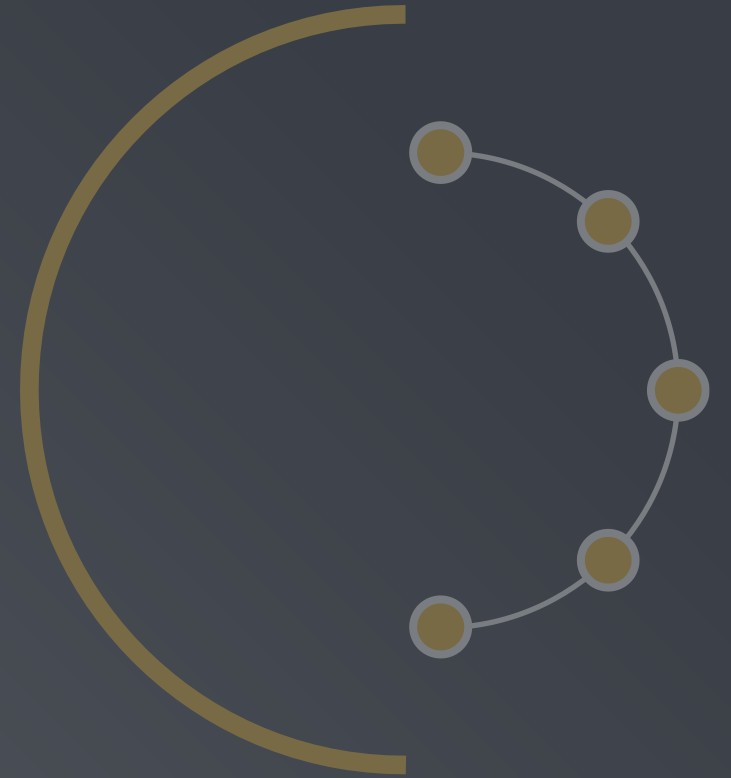




CARBOHYDE

SUGAR IS LIFE



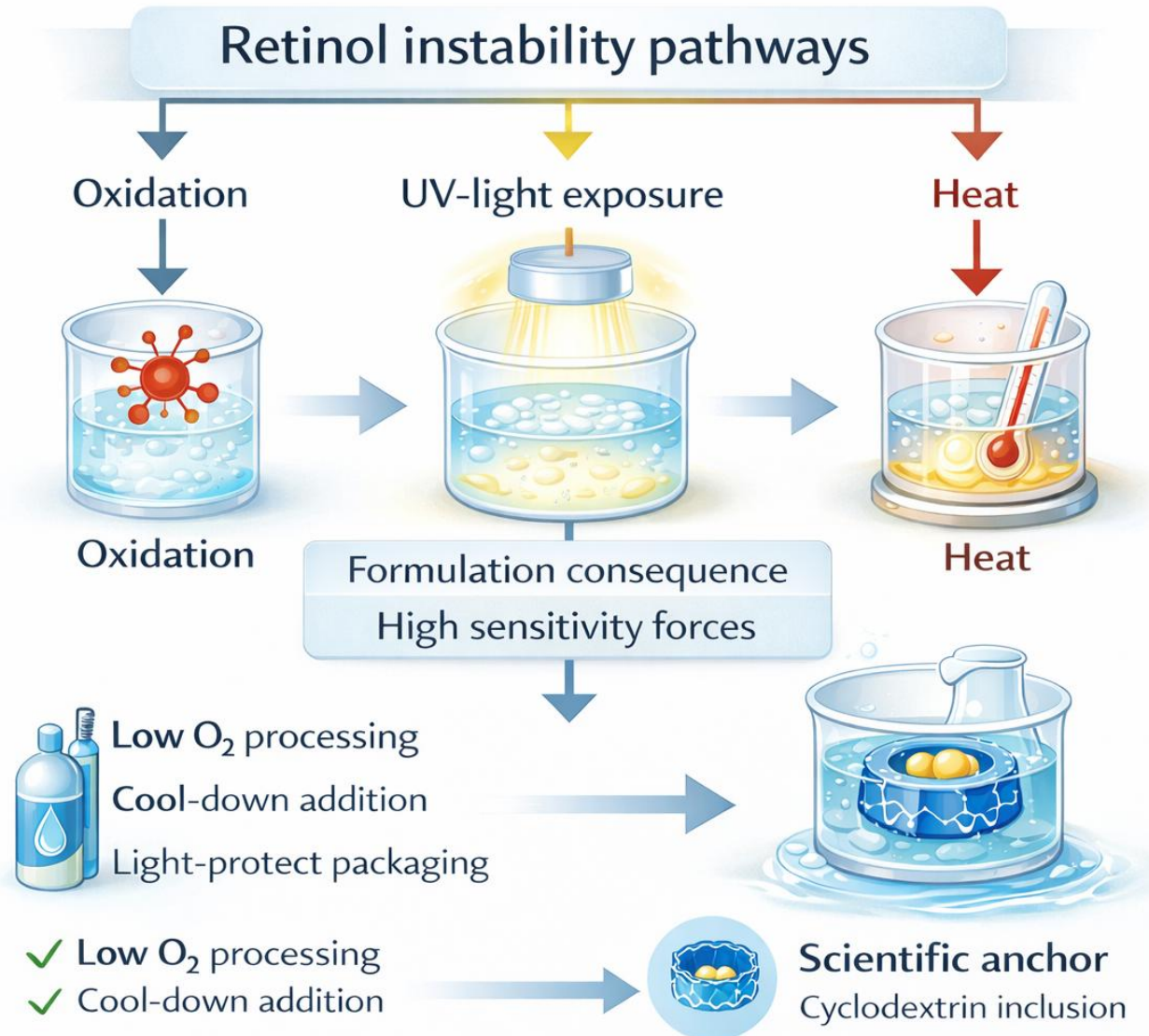
CarboHance-Retinol
"Unlocking Stability"

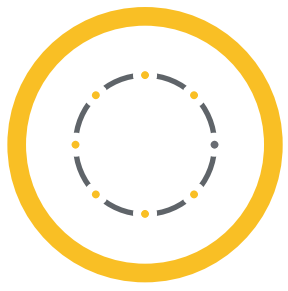


Why retinol needs complexation



CarboHance



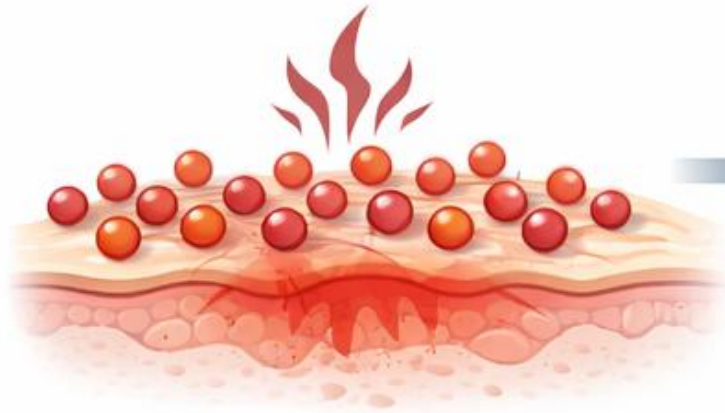


Irritation Profile Improvement

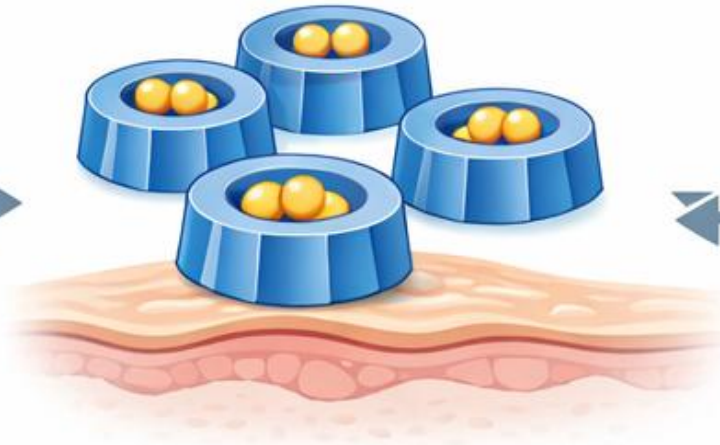


CarboHance

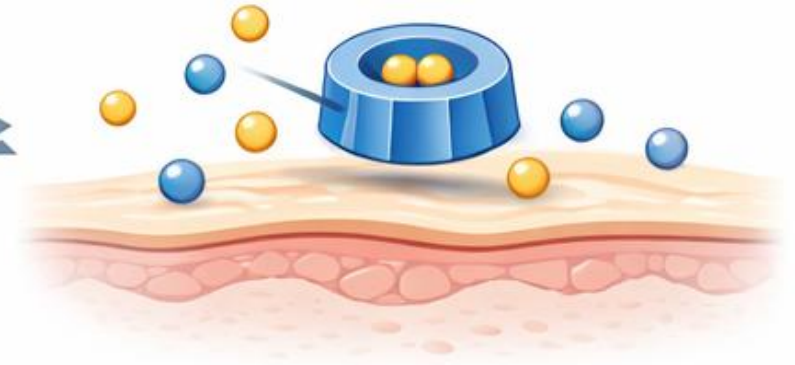
High free retinol → irritation



Cyclodextrin limits burst release



Gradual release via skin-complex equilibrium



- ✓ Reduced irritation
- ✓ Improved tolerability



Performance Superiority



CarboHance



Improves Chemical Stability



- ✓ vs. free retinol
- ✓ Prevents oxidation & degradation

Reduces Irritation Risk



- ✓ vs. unencapsulated retinol
- ✓ Reduces local concentration

Enables Controlled Release vs. immediate delivery systems

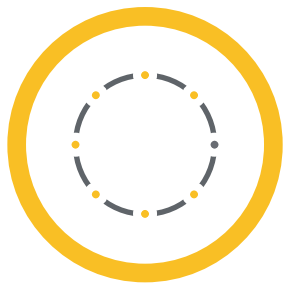


- ✓ vs. immediate delivery systems
- ✓ Gradual, sustained retinol release

Maintains Bioavailability



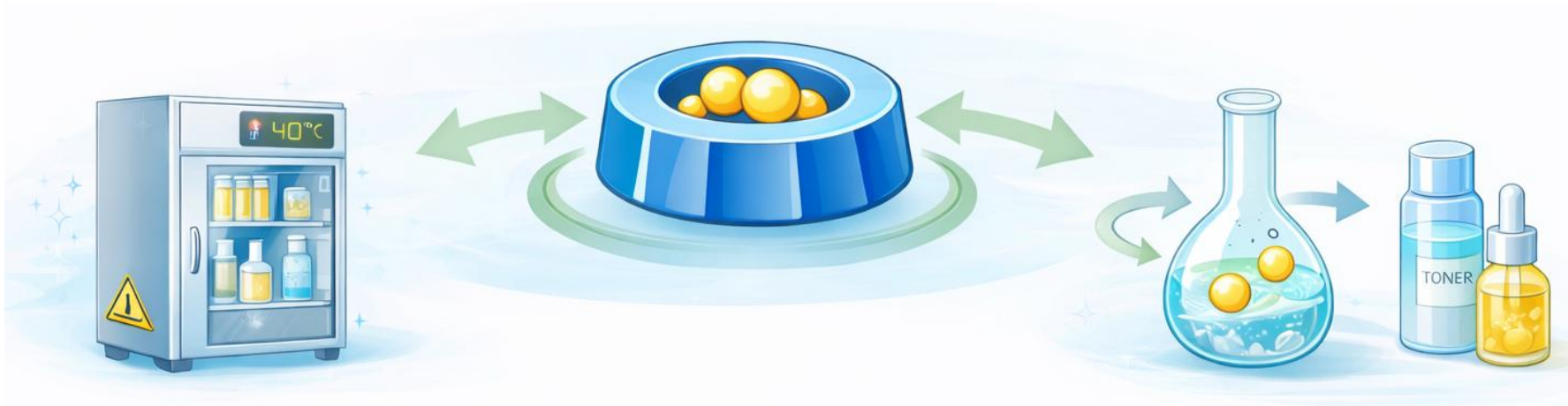
- ✓ Reversible complexation
- ✓ Retinol available when needed



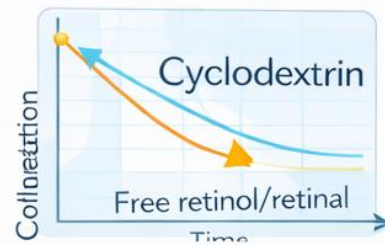
Validated Development Evidence (Beyond Concept)



CarboHance



✓ Demonstrated improved retinoid stability in accelerated storage



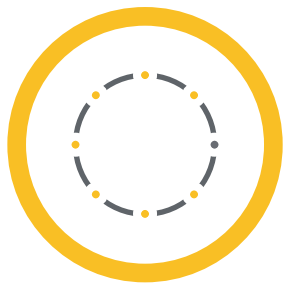
✓ Measured lower degradation rates vs free retinal



✓ Confirmed reversible complexation and release in aqueous systems



✓ Reproducible results across multiple formulation types



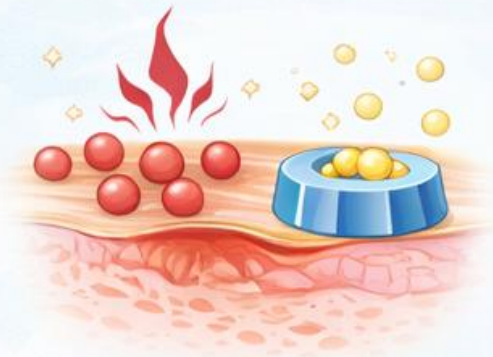
Proof of Performance in Use



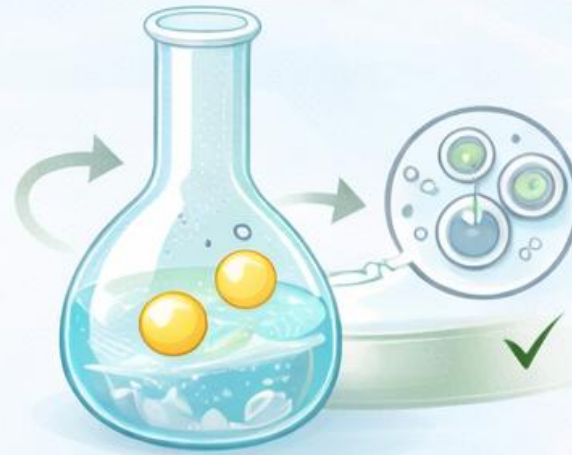
CarboHance



✓ Improved tolerability



✓ Reduced irritation



✓ Maintained activity



✓ Supports commercial viability