



**T**  
**Trefinos**  
U.S.A

**250 YEARS**  
EMPOWERING CORK INNOVATION



**[CWINE]**

TREFINOS' STRATEGIC VISION IS MADE UP OF OUR COMPANY VALUES:

- 1 QUALITY**  
Continuous research into improving quality
- 2 IMPROVEMENT**  
Development of long-term relationships with our customers based on their satisfaction with our product and the knowledge that we make improvements and advances day after day
- 3 SERVICE**  
Unconditional vocation of customer service
- 4 INNOVATION**  
Constant innovation in our production process
- 5 DEVELOPMENT**  
Commitment to technological development
- 6 EFFICIENCY**  
Continued research into maximizing efficiency
- 7 COMMITMENT**  
Social commitment and an environmental responsibility; also proven by our participation as a member of the WWF
- 8 HONESTY**  
Always honest, with high integrity and respect

Trefinos has manufactured cork stoppers in the wine sector for over 250 years, using advanced technologies to ensure the highest quality product while always maintaining a respect for nature. These corks are a direct response to the needs of the wineries in the most prestigious oenological regions of the world.

Our mission is to take the cork from the tree to the bottle with the greatest respect for all elements involved. We show our utmost respect to the forest, to the raw materials, to the workers who strip the cork from the cork oak, to the tradition and history of our product, to the manufacturing process and our sales partners, and ultimately, respect to the end consumer.

With annual production capacity of almost one billion corks, Trefinos is able to cater to all customer segments.

Quality, innovation, commitment and sustainability are the principles that define Trefinos.

**[CWINE]** is the solution to wineries growing necessity for consistency, control and confidence that every cork will deliver their product in the way it was intended.

**[CWINE]** is the optimal cork for honoring winemakers work

- Gives the winemaker true control over the evolution and aging process of wine in the bottle
- Guaranteed TCA free below quantifiable levels\*
- Innovative processing technologies yielding proven results with THOR and TD3

**CONSISTENCY**

Each cork is individually molded with TCA eradicated to unquantifiable levels, along with 150 other undesirable aromatic compounds

**CONTROL**

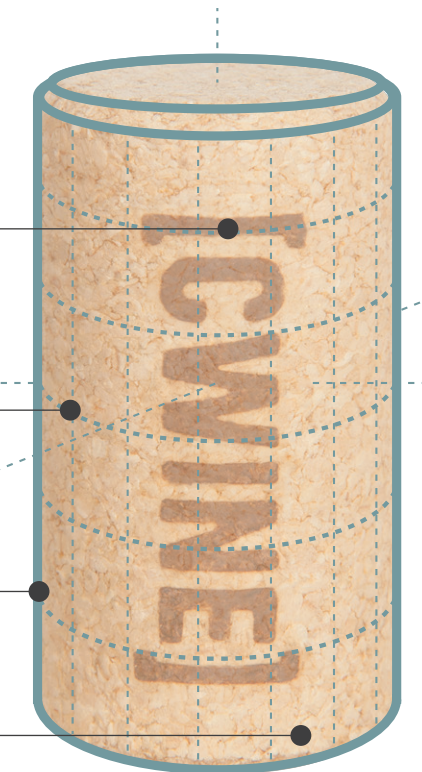
Offering 3 different Oxygen Transfer Rates to suit the target wine style

**CONFIDENCE**

Each cork is individually guaranteed to meet specifications and deliver absolute sensory performance

**CUTTING EDGE**

TD3 and THOR Technology



\*Releasable TCA <.3 ng/L



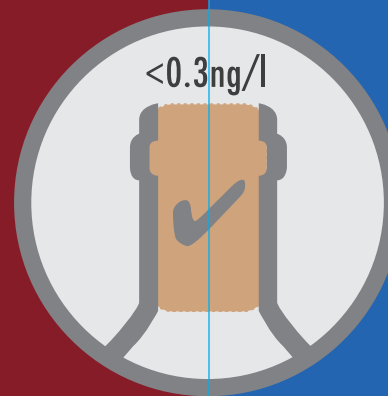
# TECHNOLOGY BEHIND THE CORK

**TD3**

**Thor**technology

- Based on the science of *Molecular Volatilization*
- The precise control of pressure, temperature and time destabilizes phenolic and anisole molecules
- Destabilized molecules are detached and removed from the cork structure
- Volatilization occurs first with molecules at lower boiling points and progresses to higher boiling points
- TCA is among the highest boiling points – 240C

TCA



- **Super Critical CO<sub>2</sub> extraction process**
- Create phase change in Carbon Dioxide with precise control of temperature and pressure
- Super Critical CO<sub>2</sub> is propelled through the cork granules
- Carbon Dioxide is sanitary, efficient and allows for a neutral extraction

## TWO DIFFERENT PROCESSES, SAME PROVEN RESULTS.



Guaranteed TCA free below quantifiable levels (releasable TCA <0.3ng/l)



Eradication of more than 150 non-desirable compounds



Technical cork certified with a minimum cork content of 75%



Controlled Oxygen Transfer Rates

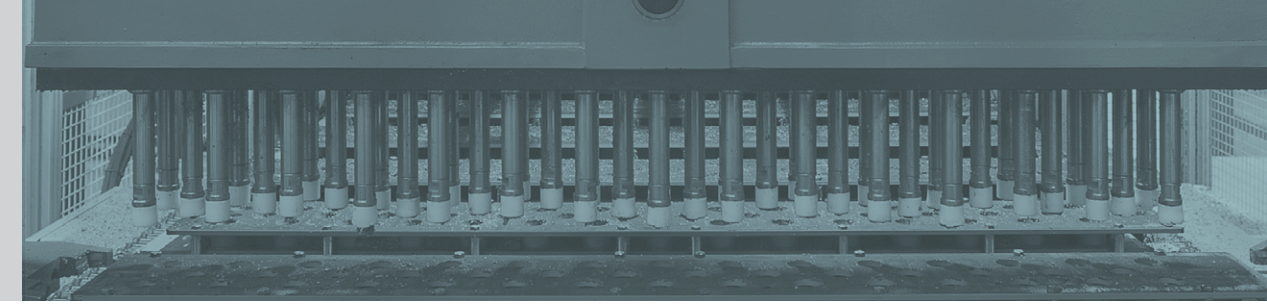


Consistent sealing properties with optimal dimensional return



Sensory neutrality assured

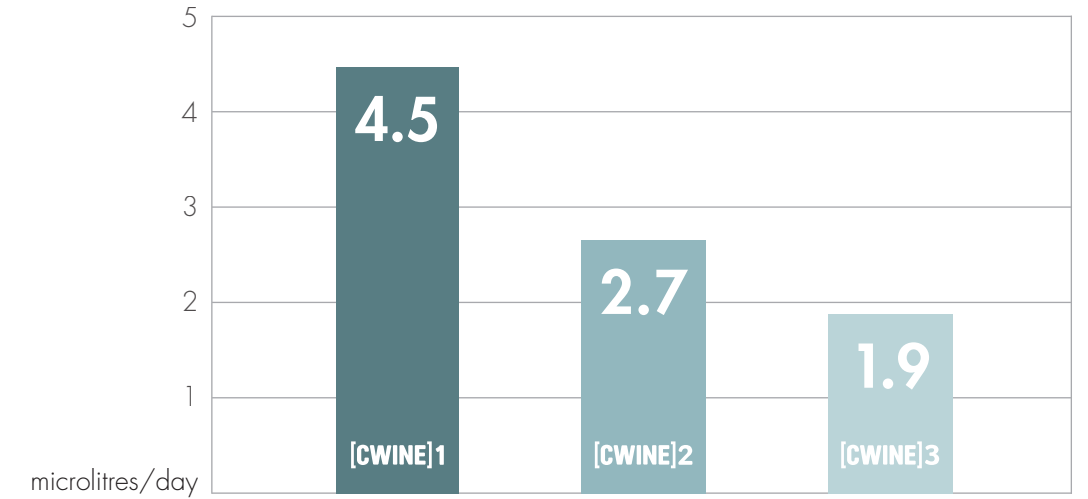
# PERMEABILITY UNDER CONTROL



Individually molding each cork with 0.5 – 2mm granules gives the ability to control the level of Oxygen Transfer at 3 specific ranges, guaranteeing coherence of OTR from bottle to bottle.

## OTR

Oxygen Transfer Rate  
Oxygen transfer speed through the cork





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