

ACB Olive Leaf Extract PF

Antioxidant + Antimicrobial



Tomorrow's Vision... *Today!*[®]

ACB Olive Leaf Extract PF

Technical Information



Product Code: 20349PF

INCI Name: Lactobacillus/Olive Leaf Ferment Extract

INCI Status: Conforms

Suggested Use Levels: 1.0 – 5.0%

Suggested Applications: Antioxidant, Antimicrobial

ACB Olive Leaf Extract PF

Science



- Produced via the fermentation of the leaves from the olive plant with the bacteria *Lactobacillus lactis*
 - Process allows for the isolation of a variety of phytochemicals and phenolic compounds
- Fermentation leads to high levels of compounds such as
 - Oleuropein
 - Flavonoids
 - Anthocyanins
 - Tannins

Demonstrate unique antioxidant properties, as well as antibacterial, anti-viral and anti-fungal activity
- Fermentation process adds protein complexed and other biomarker to help make compounds recognizable to the body, our cells and also accelerate the pace of aging

ACB Olive Leaf Extract PF

Benefits

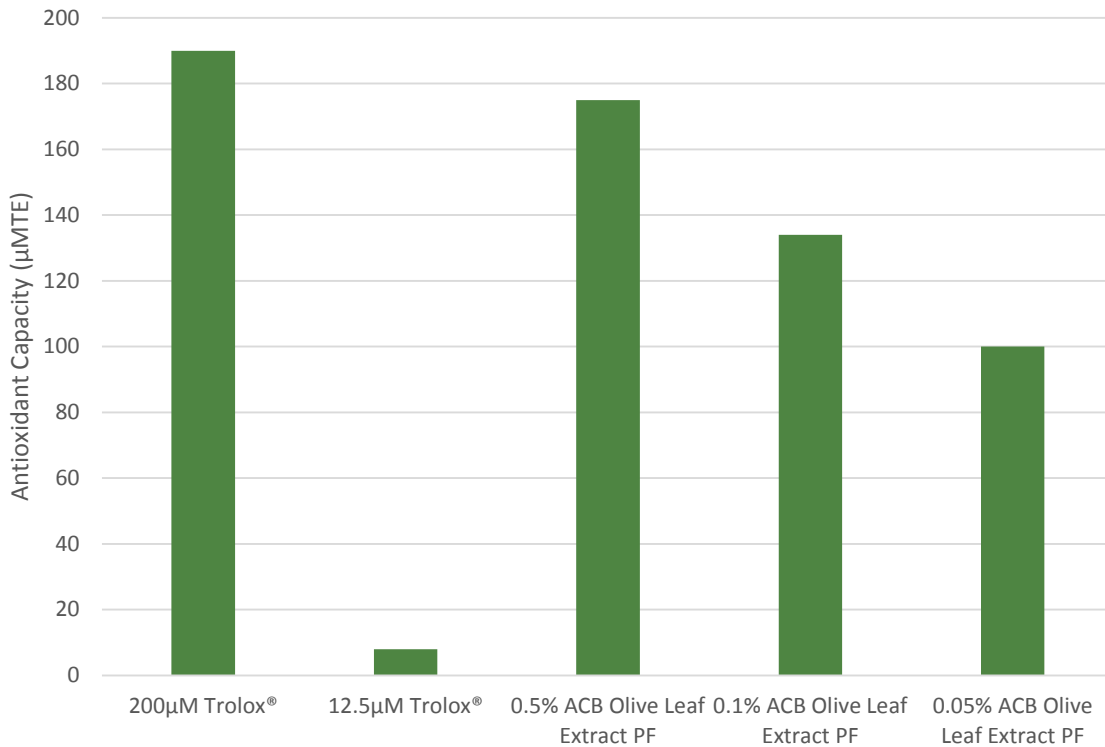


- Oleuropein displays incredible levels of antioxidant activity in-vitro, it is found in its highest natural concentration in Olive leaves
- Various flavonoids are capable of improving cell signaling pathways and providing a supporting role to Oleuropein's already intense antioxidant effects
- Anthocyanins are known to be powerful antioxidants, as they excel at scavenging free radicals produced through metabolic processes in plants

ACB Olive Leaf Extract PF is perfect for formulations desiring strong antioxidant activity with the added benefit of the leaves unique anti-fungal, antibacterial, and anti-viral properties!

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ORAC Assay



Protocol

- **ACB Olive Leaf Extract PF** exhibited antioxidant activity comparable to 100µM Trolox®
- **ACB Olive Leaf Extract PF** increased as the concentration increased, as a result we can assure that its ability to minimize oxidative stress is dose dependent
- Ingredient is not only capable of providing functional benefits but it is also capable of providing potent antioxidant benefits when added to cosmetic applications

Figure 1. Antioxidant capacities

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Antimicrobial Challenge Test

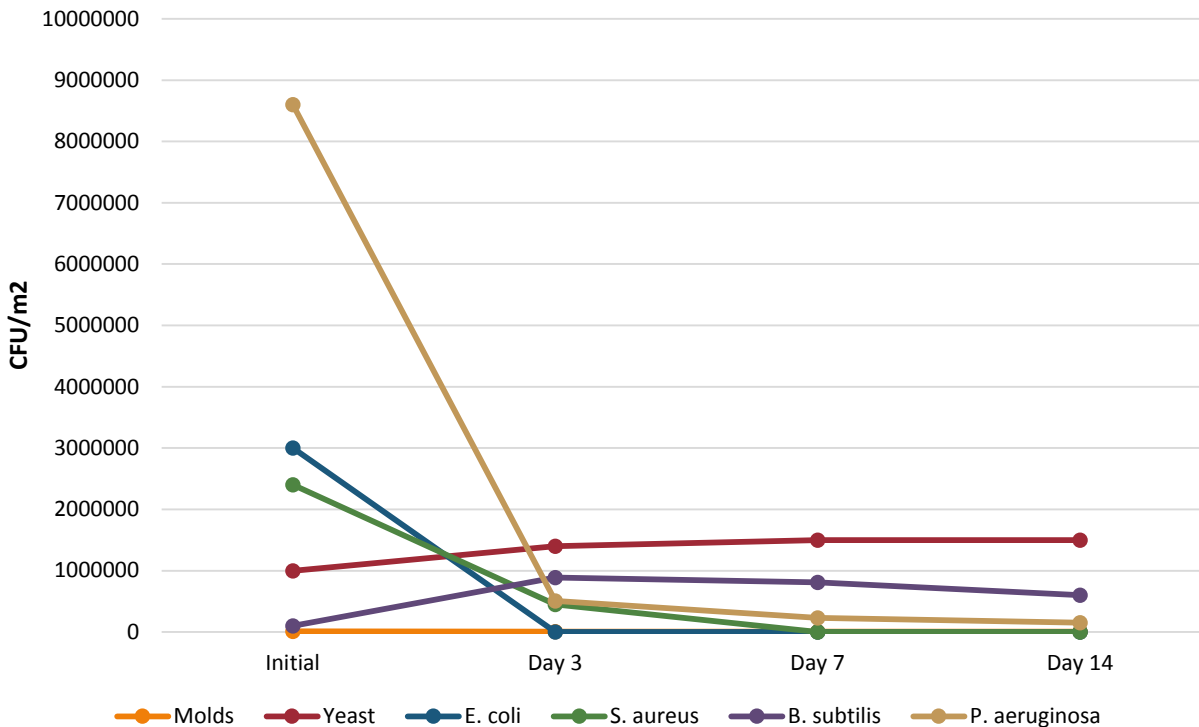


Figure 2. Challenge Test results of 3% ACB Olive Leaf Extract PF.

Protocol

- **ACB Olive Leaf Extract PF** was effective in dealing with a variety of different microbes
- Able to almost entirely eradicate several strains of bacteria by day 14 (*P. aeruginosa*, *S. aureus*) whilst inhibiting the growth of other bacteria as well as yeasts, and molds

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ACTIVE CONCEPTS LLC



THANK YOU

Please visit and register to use our new website at

www.activeconceptsllc.com

When you register, you will have access to the complete product documentation available.