



Naturally preserving product flavor and freshness

PlantGuard™ WS is a water-soluble powder blend of natural plant extracts with potent antioxidant activity. As a highly effective natural preservative, it helps to prevent oxidation in a variety of food applications.

Unique features of PlantGuard™ WS



Neutral taste



Heat stable



Natural plant extracts



Water Soluble



Non-GMO



Kosher and halal suitable



Low cost-in-use

The benefits of PlantGuard™ WS

- Extends shelf life
- Improves freshness
- Enhances flavor
- Improves texture
- Improves color stability
- Supply chain security



For more information, please visit: prinovaglobal.com or contact your local sales office.

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How should PlantGuard™ WS be used

Recommended use: Between 0.03% and 0.15% of final product.

When: Added at the earliest possible stage of manufacturing

With What: Pre-dissolve in the water phase during manufacturing. The solution will remain instantly clear.



Preserving a wide range of food applications

PlantGuard™ WS can provide a wide range of functional benefits in both sweet and savory, low fat applications. Including:



Meats

Particularly effective in fried meat applications including chicken nuggets or fish sticks



Fats & Spreads

Ideal for preserving the quality of fats and oils



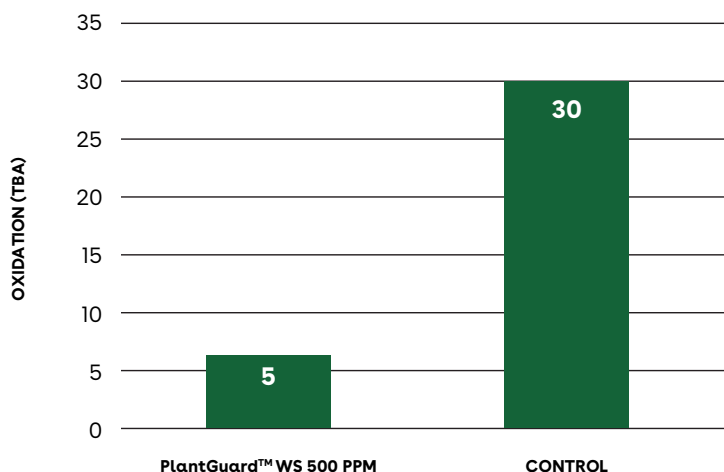
Baked goods

Perfect for use in pastries and doughnuts

Snacks

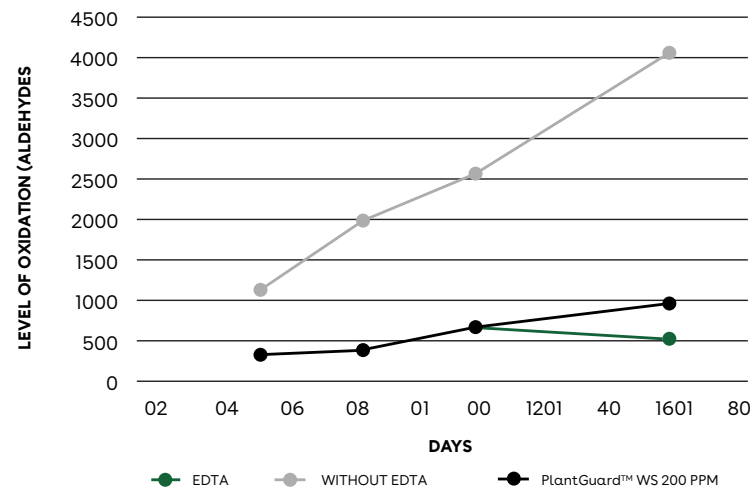
Superior preservation

When used in cooked meats, PlantGuard™ WS reduced rancidity, flavor off-notes, discoloration and protein degradation compared to Rosemary Extract. Rosemary Extract was used at 900 ppm, compared to 500 ppm of PlantGuard™ WS. In addition, Rosemary Extract was often detected in organoleptic tests as a negative addition to the product.



Clean antioxidant properties

In mayonnaise, PlantGuard™ WS was used to replace EDTA from a shelf stable product. 0.02% of PlantGuard™ WS was sufficient to offer similar antioxidant properties to EDTA, thereby offering a cleaner labeled product.



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