



kalsec®

Products, Service and Science you can trust... naturally.™

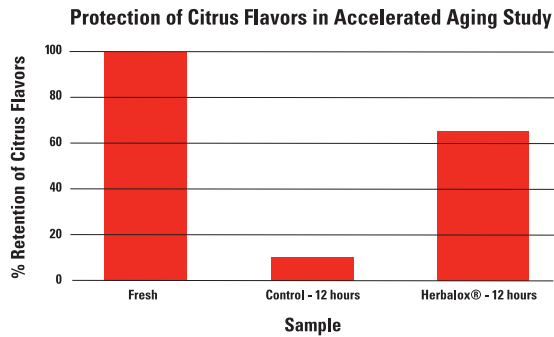
Beverages

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Herbalox® Seasonings can provide a natural antioxidant solution to extend the shelf life of beverages providing flavor stability in a variety of beverage applications:

- Carbonated
- Still
- Coffee Extract
- Brewing
- Flavored Alcoholic

Herbalox® Seasoning can provide protection of delicate citrus flavors such as a lemon-lime soft drink to improve shelf life.





Herbalox® Seasoning Extends the Shelf Life of Beverages

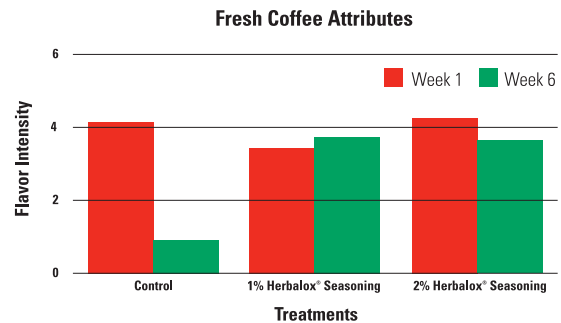
Kalsec® has natural antioxidant solutions for your beverages. We harvest and extract the highest quality natural sources of antioxidants and deliver them to you in a standardized, economical form.

Protect Coffee Extracts

Coffee extracts were fortified with Herbalox® Seasoning to protect shelf life. The testing was a real time test, with trained sensory evaluation; flavor intensity was measured over time.

RESULTS

- Coffee extracts fortified with Herbalox® Seasoning provided quality improvements with aging compared to controls in both “aromatic” and “coffee like attributes.”
- Unfavorable attributes such as “green” and “sour” were reduced in the coffee extract fortified with Herbalox® Seasoning.
- No herbal flavor was imparted to the fortified samples compared to controls.

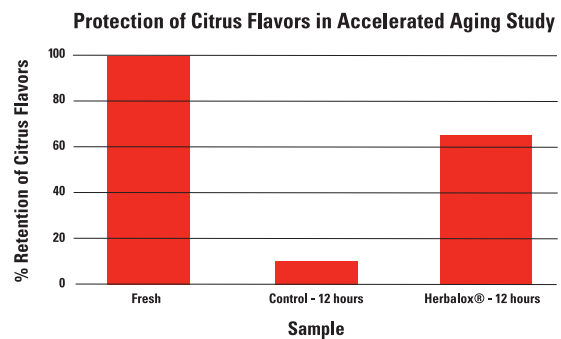


Protect Delicate Citrus Flavors

Herbalox® Seasoning was added to a lemon lime soft drink to improve shelf life. The testing was an accelerated aging test, with SPME headspace GC/MS evaluation of volatile components.

RESULTS

- The sample containing Herbalox® Seasoning showed significant maintenance of the citrus flavors.
- Citrus flavors (neral + geranial) degraded by 90% in Control samples after 12 hrs accelerated aging, compared to 40% with Herbalox® Seasoning added.
- A more intense citrus flavor was reported in the sample containing Herbalox® Seasoning as compared to the control.



Herbalox® Seasoning is the natural choice to protect your most delicate flavor profiles, or your most complex “smooth” formulations.