

Clean Label Natural Shelf-life Extenders

Clean Label Conference May 24th – 25th



NuTek Natural Ingredients



What We Do

Created by nature, nurtured in science and brought to life by expertise in R&D, manufacturing and sourcing, we create cost effective, clean label ingredient solutions for our customers and partners.

Our Clean Label Platforms Today Our Core Competencies R&D expertise and IP development Manufacturing and scaling new processes Solution Extender Solution Solution Our Core Competencies R&D expertise and IP development Manufacturing and scaling new processes Sourcing and global supply chain

Why We Do It

Aligned with our core values of simplicity, transparency, and sustainability, our mission is to create solutions that support the nutritional demands of our growing global community.





Consumers Demand Clean Label Preservatives



Antimicrobials

- To prevent the growth of microorganisms: spoilage and food safety)
- Examples: Sorbate, benzoate, propionate, lactate-diacetate





Antioxidants

- To prevent lipid, vitamin and/or color oxidation in foods
- Examples: BHA, BHT, citric acid



Antibrowning

- To prevent both, enzymatic and non-enzymatic browning in foods.
- Examples: Vitamins C and E, citric acid



Microorganism drives the Choice of Antimicrobial

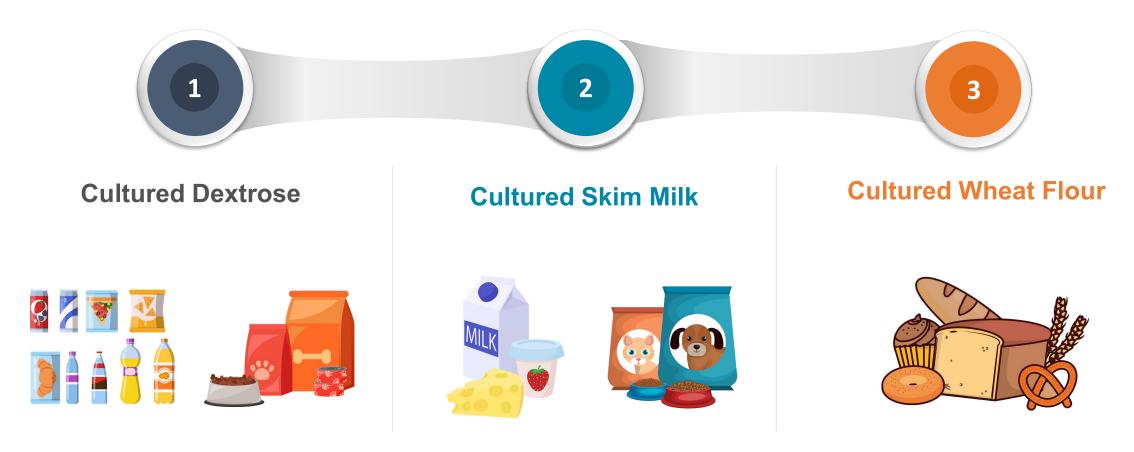
Yeast and mold

Spoilage bacteria

Pathogenic bacteria



NuXtend® Solutions are Fermentation-based



Fermented antimicrobials are rich in organic acids and others such as peptides that act against microbial spoilage to extend the shelf-life.

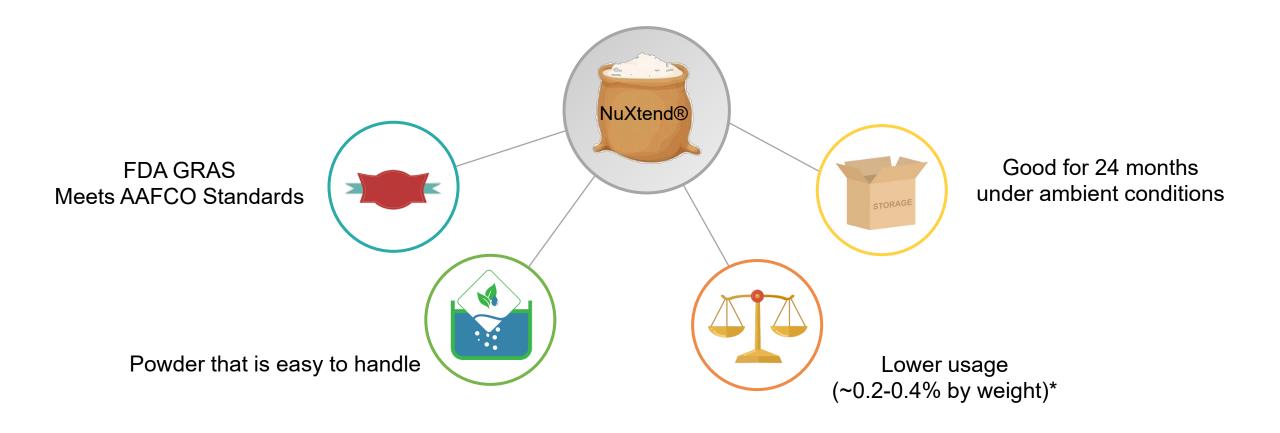


Why NuXtend®?



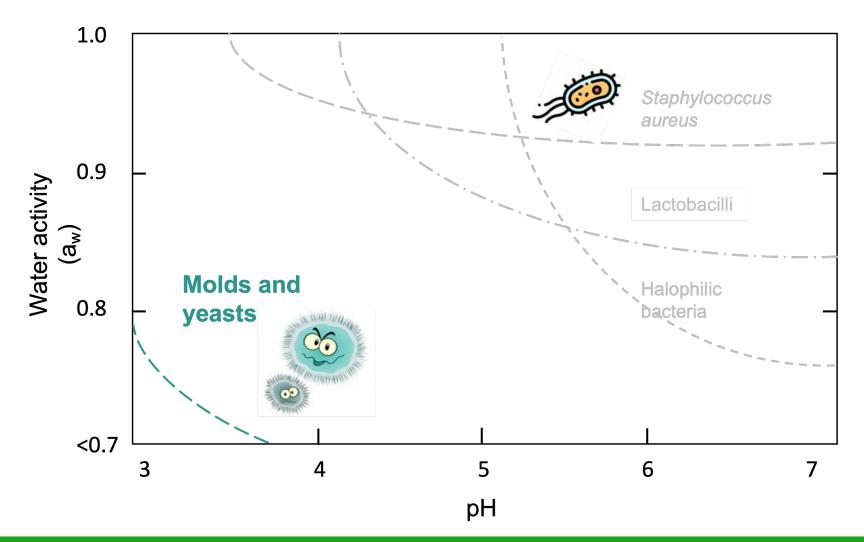


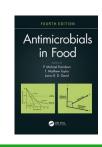
NuXtend® Attributes





Product attributes play a key role

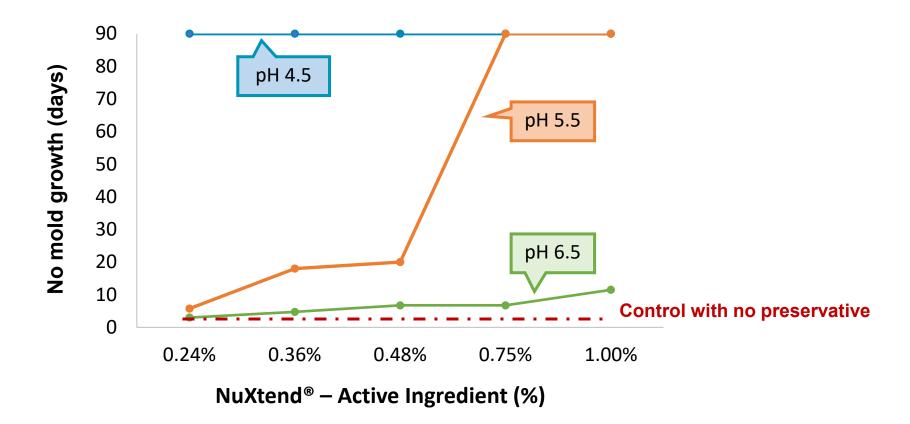






NuXtend® is Effective at Lower pH

- NuXtend® is effective at pH <6.5.
- No mold growth for 90 days at pH < 5.5 under accelerated shelf-life evaluation.

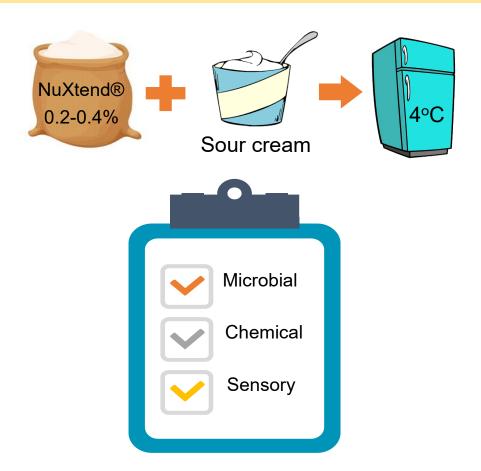


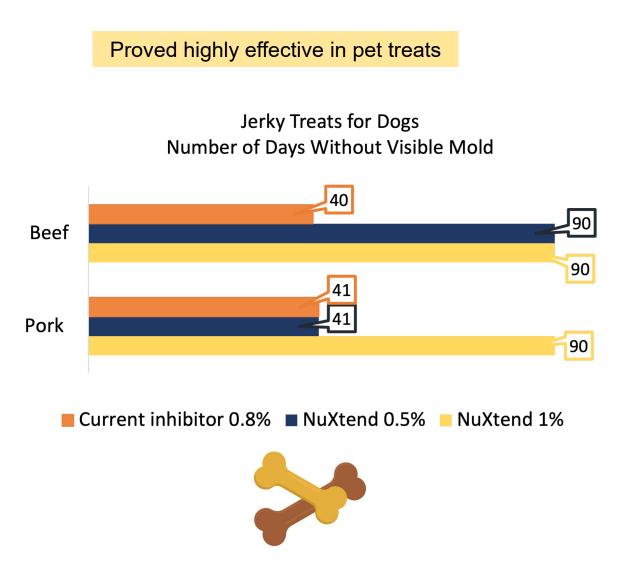
Model system a_w: 0.99



NuXtend® is Commercially Successful

Achieved 12 weeks shelf-life Exceeding customer spec of 9 weeks at 4°C

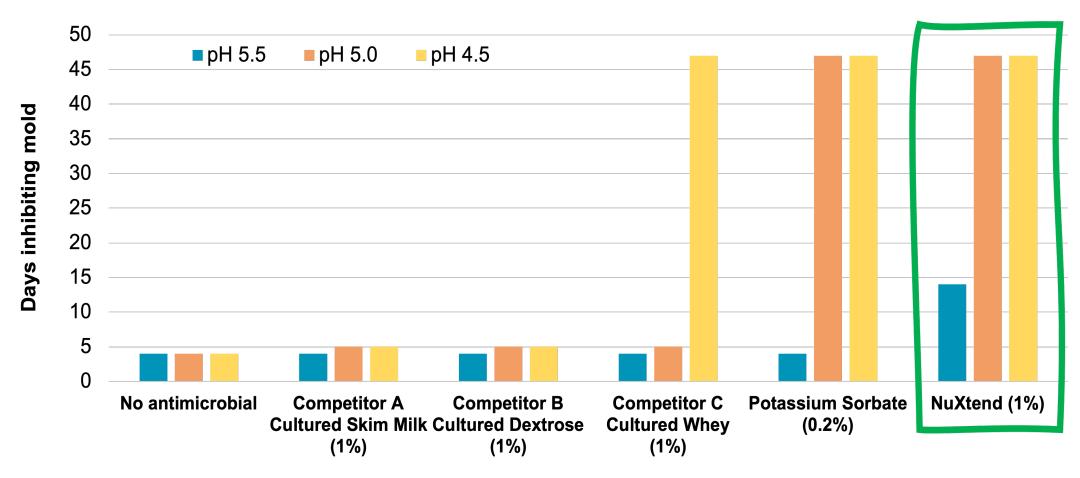






NuXtend® Outperforms Competition

Aspergillus spp.



Model system a_w: 0.99



NuXtend® is a fermentation-based highly effective shelf-life extender for clean-label focused brands.





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