

CHINOVA BIOWORKS

Chiber™ Nature's Preservative

Chinova Bioworks is transforming the food
and beverage industry with Chiber™
white button mushroom extract



**NATURAL
EXTRACT**



**SHELF-LIFE
EXTENSION**

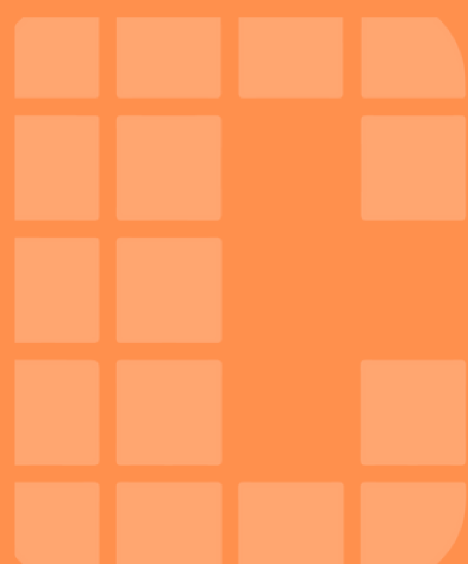


**CLEAN
LABEL**



50 CROWTHER LANE, SUITE 100
FREDERICTON, NB, CANADA
E3C 0J1

www.chinovabioworks.com



THE NEED FOR CLEAN-LABEL INGREDIENTS

Food waste occurs throughout the farm to fork process. This waste shows that there is no lack or shortage of food, but that the main cause of this problem is shelf-life limitations or microbial spoilage.

This has food producers looking for natural, clean-label solutions. Consumer demand for transparency when it comes to ingredients in their food and beverage products is forcing food producers to improve their methods and formulations.

Preservation is essential for almost all consumer products, but natural and effective solutions have been hard to find.

Chinova Bioworks has the ultimate solution in Chiber™. Using a fiber extracted from the stems of white button mushrooms, Chiber™ is the answer for producers looking for clean-label solutions to optimize the protection and shelf life of their food and beverage products which helps reduce food waste.



CHIBER™ FOR BEVERAGES

IMPROVE QUALITY, FRESHNESS & SHELF-LIFE

Chiber™ is a clean label, natural fiber derived from the stems of white button mushrooms that helps improve quality, freshness and shelf-life, resulting in increased consumer satisfaction and reduced food waste.

CATEGORIES INCLUDE-

- RTD tea's
- Juices
- Concentrates
- Flavored water
- Carbonated drinks
- Energy drinks
- Alcohol-containing
- CBD-containing



CLEAN-LABEL MUSHROOM SOLUTION

USING THE POWER OF MUSHROOMS TO PRESERVE FOOD

Clean-label
"Mushroom extract"
"White button
mushroom extract"

Broad-
Spectrum
Protection

No sensory
impact

FDA &
FEMA
GRAS

Vegan
Kosher
Halal

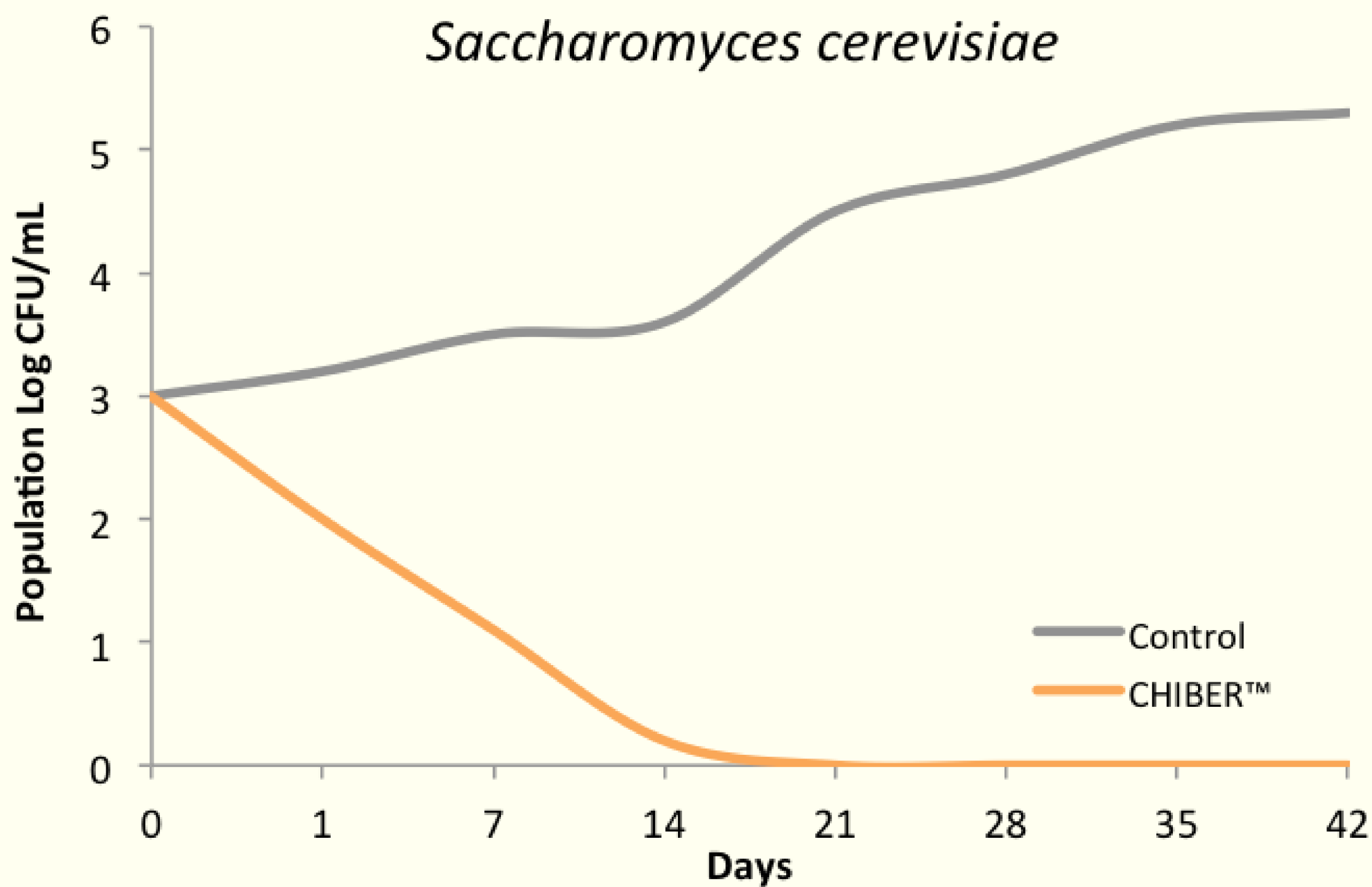


CHIBER™

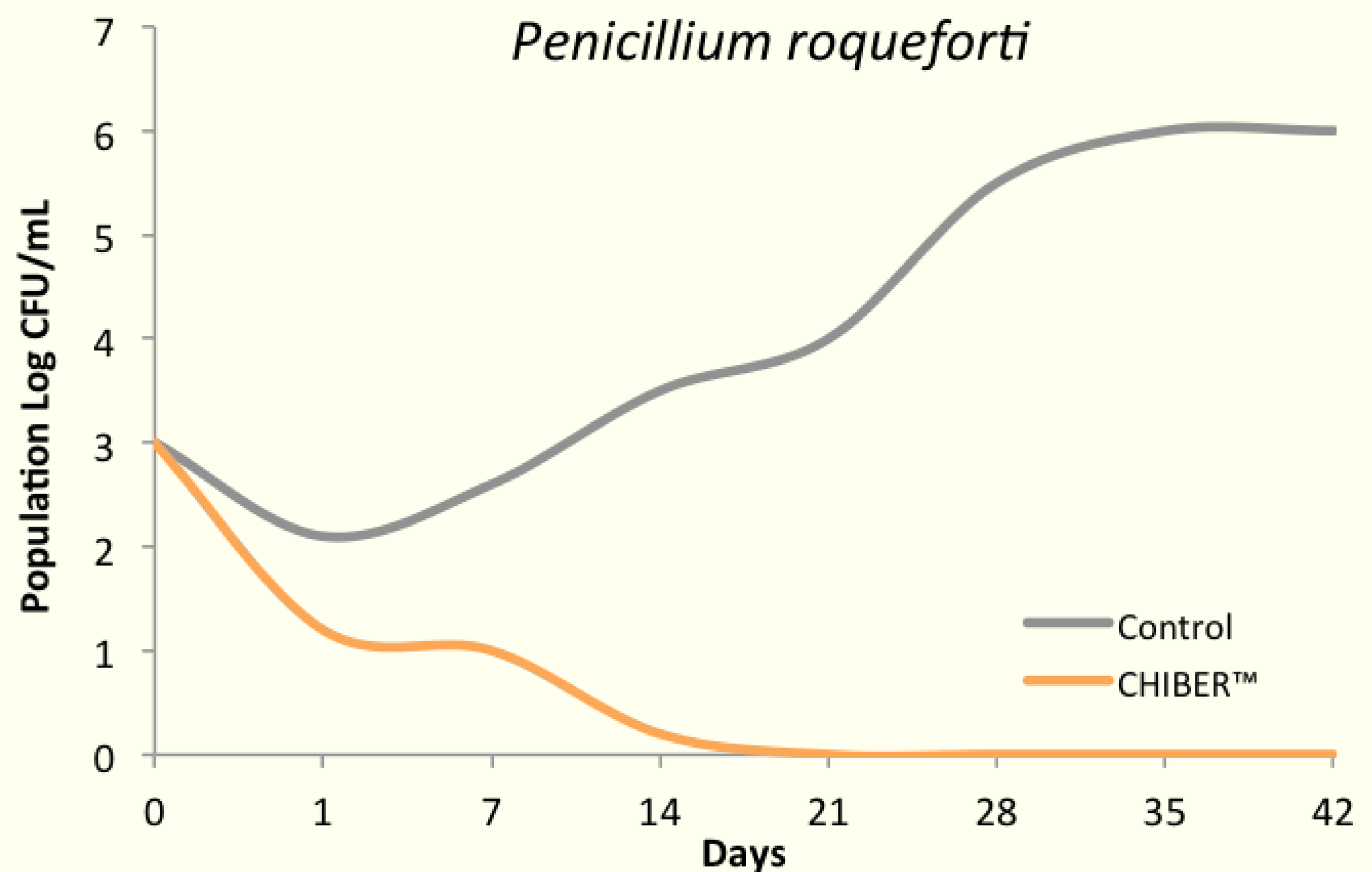
NATURAL SHELF-LIFE EXTENSION

CHALLENGE TEST

Whereby yeast and mold are innoculated at log 3 CFU/mL in an apple juice beverage model



Chiber™ has no impact on taste, texture, appearance or smell



CHIBER™ CLEAN-LABEL SOLUTION

RASPBERRY SMOOTHIE

Ingredients: Brown Rice Milk, Brown Rice Protein, Flaxseed, High Oleic Sunflower Oil, Brown Rice Sugar, Raspberry Powder, Vitamin and Mineral Blend, Natural Raspberry Flavor

White Button Mushroom extract



Chiber™ mushroom extract has demonstrated excellent efficacy in multiple food and beverage applications like beverage, dairy, plant-based dairy, sauces, spreads, and plant-based meat alternatives.

Chiber™ uses an eco-friendly process to create a functional and sustainable preservative that can be incorporated seamlessly into various manufacturing processes.

FOR MORE INFORMATION CONTACT

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