



**CLEAN LABEL
PRESERVATION &
SHELF LIFE SOLUTIONS**



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NATURAL PRESERVATION & SHELF LIFE EXTENSION



Polyphenol-rich, clean label, functional botanical solutions to meet increasing consumer demands for natural vs. synthetic ingredients to preserve shelf life, color, flavor and aroma in foods & beverages.

- Clean Label, Natural Technological Antioxidants
- Shelf Life Protection
- Preserve Color, Flavor & Aroma
- TBHQ, BHA, BHT Alternative
- Acerola, Green Tea, Rosemary & Scientifically Proven Proprietary Solutions

Applications: Meat & Poultry, Fats & Oils, Snacks & Bakery, Sauces & Seasonings

OVER 25 YEARS - FULLY VERTICALLY. INNTTEGRATED
GLOBAL BOTANICAL INNOVATION

#1
IN
SWEETENERS

for stevia
& monk fruit

3
DECADES

botanical
innovation and
leadership

6
INNOVATION
CENTERS

around
the world

58
PATENTS

for science and
innovation
achieved globally

205
THOUSAND
M²

state-of-the-art
extraction

3000
FARMING
COMMUNITIES

and families
supported
with sustainable
agronomy

120,000
METRIC
TONS

biomass
processed
annually



global secure &
transparent
supply chain



layn Natural
Ingredients

Plantæ[®] PRESERVATION

Natural Shelf Life Protection

COMPARISON TO SYNTHETIC ANTIOXIDANTS

Plantæ[™] Preservation NX017 & NX018 against TBHQ in High Linoleic Sunflower Oil

	Run 1	Run 2	Avg	% stability increase
Control	2.42	2.44	2.43	
TBHQ, 200 ppm	3.75	3.68	3.72	153
Plantæ [™] NX017, 1000 ppm	4.85	5.00	4.93	203
Plantæ [™] NX018, 1000 ppm	4.07	4.03	4.05	167

COMPARISON TO OTHER NATURAL ANTIOXIDANTS

Plantæ[™] Preservation NX017 against Rosemary/Tocopherols antioxidants in high linoleic sunflower oil by Rancimat

Product	Form	Dosage (ppm)	Hour OSI	% shelf life increase
Control			2.6	
Plantæ [™] NX017	Liquid	1000	5.5	111
Mixed tocopherols & Rosemary extract	Liquid	1500	3.0	15
Mixed tocopherol, Rosemary & Green Tea extracts	Liquid	1000	3.0	14
Rosemary extract & mixed tocopherols	Liquid	1500	3.8	46



BOTANIFY YOUR BRAND TODAY - LAYNCORP.COM

layn Natural Ingredients

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NEXT GENERATION CLEAN LABEL BOTANICAL PRESERVATION



Effective, **clean label food preservation** contributes directly to the **VALUE** consumers experience

NATURE MEETS SCIENCE

- Scientifically supported polyphenol-rich, clean label technological antioxidant
- Preserve color, flavor and aroma
- All natural shelf life extension
- EDTA, TBHQ, BHA and BHT replacement
- Chelating + free radical scavenging
- Neutral profile does not affect color nor taste
- Stable over wide pH range and temperatures
- Oil and water soluble formats



MEAT & POULTRY



FATS & OILS



SNACKS & BAKERY



SEASONINGS



- ✓ Non GMO Verified
- ✓ Plant Based
- ✓ Vegan
- ✓ Allergen Free
- ✓ Gluten Free

- ✓ Kosher
- ✓ Halal
- ✓ cGMP
- ✓ Sustainably Sourced
- ✓ Scientifically Supported



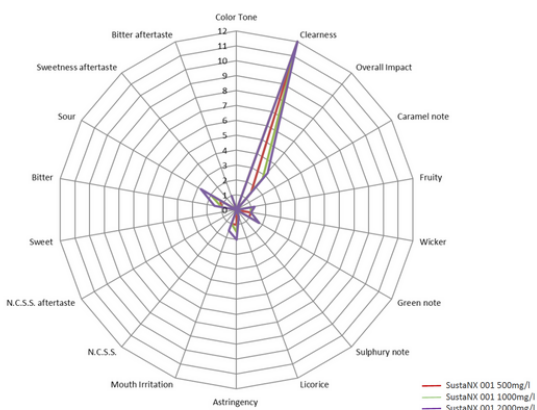


NATURE MEETS SCIENCE



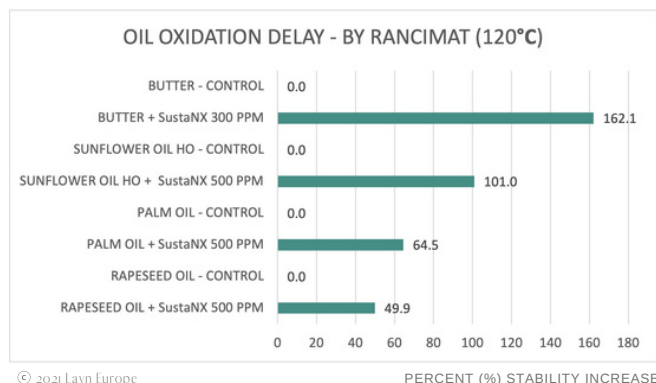
CLEAN LABEL, OIL SOLUBLE SOLUTION

COMPELLING CLARITY & NET ZERO SENSORY PROFILE



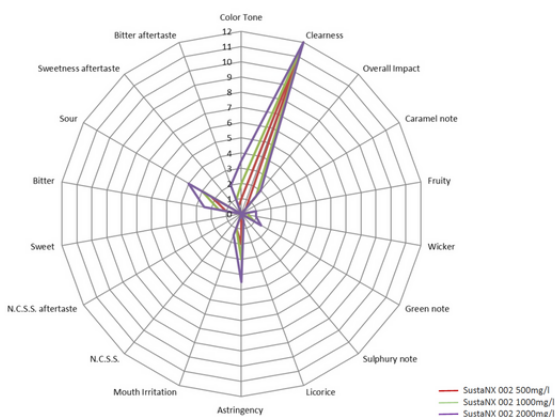
*Performed in accordance with ISO13299

CLEAN LABEL OXIDATIVE STABILITY IN A VARIETY OF FATS & OILS



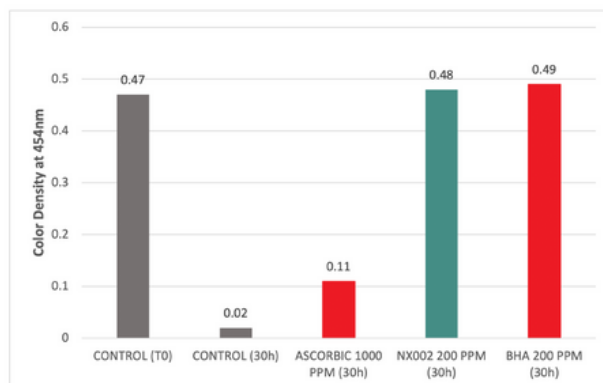
CLEAN LABEL, WATER SOLUBLE SOLUTION

COMPELLING CLARITY & NET ZERO SENSORY PROFILE



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CLEAN LABEL COLOR PROTECTION IN β - CAROTENE



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Visit our **FREE**
Botanical Ingredient Library



SCAN ME

- Search and filter Ingredients by application and function
- See botanical actives and molecular structures
- Learn agronomy and sustainability story

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