

# Bioecolians

Bioecolians, patented alpha-gluco oligosaccharide, is an effective unique prebiotic ingredient active at low doses, only 2g/day, providing proven health benefits and well tolerated.

## WHAT IS BIOECOLIANS?

Bioecolians is composed of short glucose chains linked by glycosidic bonds  $\alpha$ 1-2 and  $\alpha$ 1-6, obtained from sugars by completely controlled enzymatic process.

Bioecolians resists hydrolysis in the stomach and absorption in the small intestine. It reaches the colon intact, where it is fermented by colonic beneficial bacteria, promoting their growth. The beneficial effect is already felt within a few days from initiating consumption.

## Bioecolians - Beyond prebiotic

Bioecolians is much more than a prebiotic, supported by clinical evidence



### PREBIOTIC EFFECT

Promotes the growth of beneficial gut bacteria.



### BETA-DEFENSIN-2 PRODUCTION

An essential antibacterial peptide involved in immunity and kills pathogenic bacteria in the gut by damaging their cell membrane.



### POTENTIALLY SUPPORT IMMUNITY

Contributing to the fine-tuning of immune responses.



### SUPPORTS WEIGHT MANAGEMENT

Enhances satiety and reduces body and abdomen fat weight.



### IMPROVES BOWEL FUNCTION

Reduces constipation by increasing the frequency of bowel movements and improving stool consistency.



### REDUCES ABDOMINAL DISCOMFORT

As opposed to other prebiotics that cause abdominal discomfort. Bioecolians was found to reduce bloating and discomfort.

## Bioecolians - Key Highlights

### TECHNICAL PROPERTIES:

- Spray dried powder
- Heat -and acid-stable
- Non-viscous, easy to use
- Water-soluble and easy to use
- Slightly sweet
- Similar density to sucrose
- Low Water activity
- Low calorie value – 2kcal/gr
- Low molecular weight: DP 2 to 9

### PRODUCT APPLICATIONS:

- Liquid forms
- Gummies
- Tablets
- Hard-Shell Capsules
- Sachets
- RTM

### COMPLIANCE:

- Non-GMO Project Verified
- Gluten Free
- Allergy free
- Vegan
- Patented

### REGULATORY STATUS:

- GRAS (Self affirmed)
- Not a novel food
- Recognized as a food ingredient

### SHELF LIFE:

- 3 years

As consumers learn more about the role of prebiotics in a healthy microbiome and overall health , they are looking for easy ways to incorporate them into their lifestyle.

Bioecolians is an ideal solution for this growing trend, active at low doses and suitable for diverse formulations.

