

サンザイム

# Sanzyme Ltd.

Fermentation & Biotechnology Since 1969



## Bacillus coagulans

Bacillus coagulans, SNZ 1969 from Sanzyme, is GRAS approved  
Has been used safely as a probiotic for the last 45 years  
A widely used, well documented, safe and stable spore forming  
bacteria that promotes gastrointestinal health.

### Physical features

- High tolerance to Acid, Sugar and Salinity
- High thermal stability
- Good preservation in foods
- Stability in formulations
- Good dispersion
- Does not require cold chain
- Shelf stable for more than 2 years

### Physiological benefits

- Survives gastric acid barrier & bile
- Proliferation in intestine
- Produces L+ lactic acid beneficial to the gut
- Confers immunity, fights pathogens & supports a healthy gut.

### Applications

#### Food

As a nutraceutical / dietary supplement in health food products

- Supplemented / Fortified in foods like, breakfast cereals, granola bars, candies, chocolates, gummies and straws.
- Foods like marshmallows
- Baked foods like muffins, cakes, biscuits, cookies & pizzas
- Dairy foods like yogurt, ice-cream, other beverages like tea & coffee, sports drinks etc

#### Pharmaceutical formulations

#### Feed

Used as a feed supplement in poultry, aqua culture, cattle, swine and other vet segments

- **Bacillus coagulans with *unique encapsulation technology* was developed, which would be of interest to companies wishing to incorporate Bacillus coagulans into their products food/feed processed at high temperature and moisture.**

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### Specifications

Product name	Bacillus coagulans
Ingredient	Spore forming lactic acid bacteria with excipient
Appearance	Free flowing, white to pale brownish powder
Morphology	Oval spore on germinating rod shaped vegetative cell
Fermentation type	Homolactic fermentation (yielding L-lactate)
Gram staining	Positive
Storage	Dry & cold place
Availability	Bulk powder from 6 to 100 billion cfu/g Encapsulated & enteric coated pellets Finished formulations-sachets, tablets, gummies, straws etc
Documentation	Regulatory Assessments Sanzyme Ltd offers the following regulatory certificates for its clientele's requirements in regulatory filings.  Genetically characterized Bacillus coagulans Certificate Of Analysis Method Of Analysis Stability Data GMP Certification FDA GRAS Approved Material Safety Data Sheet Antibiotic resistance profile testing Allergen certificates BSE TSE free certificates GMO free certificates Gluten free certificates Irradiation free certificates Heavy metal certificates Residual solvents certificates Halal & Kosher Certification

\* further details available on request.