



Strain in oil

Probiotics in oil suspension

Probiotal Patented Technology





SOLUTION

Probiotal has developed an **oil suspension that maintains its functionality and efficacy for the entire shelf-life** by:

- **Choosing a vegetable oil free of any toxic factors;**
- **Protecting probiotic strains from oxidation damage thanks to its patented microencapsulation technology with a special lipid vegetable coating matrix (food grade).**

Patented technology

Keeps the probiotic strains highly viable for the entire shelf life

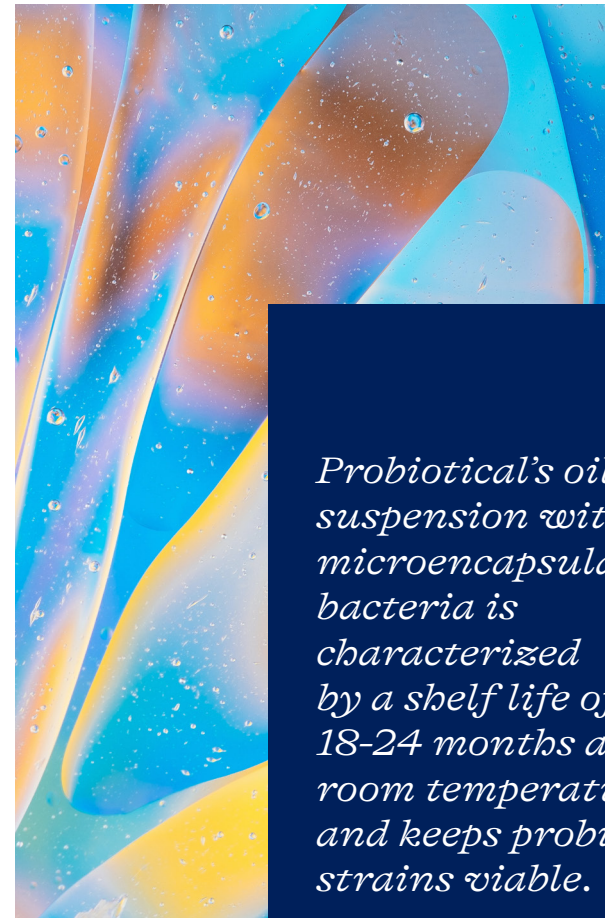
PROBLEM

In order to be effective and to confer health benefits to the host, **probiotics must be viable until consumer use. Not all commercial products have these characteristics** due to inadequate formulas and/or technology used by many manufacturers of dietary supplements.

Infants and people with swallowing and chewing difficulties needs a liquid formulation that in just few drops, usually 5-10, can carry the needed daily amount of probiotic bacteria.

The **oil suspension is the perfect dosage form for these patients**, and an **oily matrix is necessary** as live bacteria decline in a very short time in aqueous solution.

However, **most of the oil suspensions on the market are not effective due to toxicity of the oils used to disperse probiotic cells.** The type and quality of the oil often induces stress and high mortality in probiotic cells, due to natural substances present in most vegetable oils (either saturated or unsaturated) and also to chemical compounds formed by oxidation.



Probiotal's oil suspension with microencapsulated bacteria is characterized by a shelf life of 18-24 months at room temperature and keeps probiotic strains viable.

*Surfing together
the Probiotic Galaxy*

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