



ODILIA™



Available also for organic:

NATURAL SUPPORT FOR GUT AND OVERALL HEALTH

ODILIA™ is a powder extract obtained from Opuntia cladode juice standardized in polysaccharides and piscidic acid, a characterizing fingerprint of this plant.

Thanks to its composition, ODILIA™ acts as prebiotic agent, supporting a healthy gut microbial population and may acting indirectly on overall health such as immune and mucosal support and gut-brain and gut-muscle axis.

COMPOSITION	ODILIA™ % (W/W)
Polysaccharides (as glucose)	40-60
Polysaccharides (gravimetric)	≥ 20
Piscidic acid	≥ 0,5

SUGGESTED DOSAGE: 300 MG/DAY

The last clinical trial has demonstrated that the unique phytocomplex of polysaccharides and piscidic acid is able to have a positive impact on overall health:

Benefits



SUPPORTS THE GUT HOMEOSTASIS WITH A PREBIOTIC ACTIVITY



SUPPORTS HEALTH GUT MUCOSAL BARRIER



SUPPORTS THE OVERALL HEALTH

The pruning of Opuntia cladodes is a fruit-boosting yield practice; the cladodes are usually discarded since they are considered low-value biomass. However, they are revalued to be used as a valuable co-product source to squeeze the cladodes juice rich in polysaccharides.





ODILIA™

Scientific evidence of *Opuntia ficus-indica cladodes* extract intake



IMPROVES GUT HOMEOSTASIS

The Firmicutes/Bacteroidetes ratio is a marker of gut health when is close to 1 (higher values are related to dysbiosis). Odilia was able to improve this ratio of about 35% and 43% after 4 and 8 weeks of supplementation respectively getting closer to 1.



SUPPORTS THE HEALTHY GUT MUCOSAL BARRIER

The supplementation highlighted an increase in the Clostridium XIVa cluster which has protective microbiological activity and functions related to the mucosal barrier that regulates mucosal homeostasis by producing SCFAs and selectively attracting T-reg cells that secrete immunomodulatory cytokines.



SUPPORTS THE OVERALL HEALTH

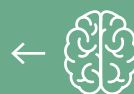
The supplementation led to a significant enrichment of beneficial microorganisms which are generally associated with immunomodulatory, anti-allergy, anti-oxidative and anti-inflammatory functions, as well as associated with cognition; Odilia supplementation highlighted a depletion of pro-inflammatory and potentially pathogenic taxa, leading to a more balanced intestinal microbial community. Moreover, there was an increase in bacterial species that produce short-chain fatty acids (SCFAs), which in turn, may influence brain-gut-muscle axis communication and brain function directly or indirectly, as well as the energy metabolism and the feeding behaviour as the stress-associated eating.

The idea of the brain-gut-muscle axis is gradually being confirmed from a growing scientific evidences that could also be described as overall health. The gut homeostasis seems a key factor to human health as the bases for a positive interaction of intestinal microbiota, central nervous system, skeletal muscle energy metabolism, and feeding behavior regulation.

↑ cope with everyday stress

↓ tiring

↓ stress-associated eating



mental health



↑ skeletal muscle energy metabolism



↓ abdominal pain
↓ fullness
↓ belching
↓ gurgling noises

 ODILIA™

These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.