



## The innovation for digestively stressed consumers

- ▶ **Benegut®** is an innovative, natural gut health ingredient, which combines prokinetic as well as antispasmodic activity and supports the gut's natural inflammatory response. These combined activities of **Benegut®** lead to an immediate, perceptible balancing effect on bowel function.
- ▶ *In vitro* and human studies demonstrated that **Benegut®** is able to balance bowel movement by interacting with the neurological system. **Benegut®** helps counteract the effects of psychosocial factors, such as stress-induced alteration of gut physiology, which can lead to gastrointestinal discomfort.
- ▶ **Benegut®** is IP-protected and may be used in food supplements in Europe and the U.S.



## Supports Concepts for:

- ▶ Gut health with a focus on bloating and abdominal discomfort
- ▶ Maintaining and improving digestion during aging
- ▶ Wellbeing and reduced bloating for a flat belly – “skinny jeans drink”

Benegut® is a registered trademark of Vital Solutions GmbH, Germany

For more information about Benegut® go to: [RFIngredients.com](http://RFIngredients.com)

☎ 845-358-8600 | ✉ [info@rfiingredients.com](mailto:info@rfiingredients.com) | 300 Corporate Drive, Suite 14, Blauvelt, New York 10913

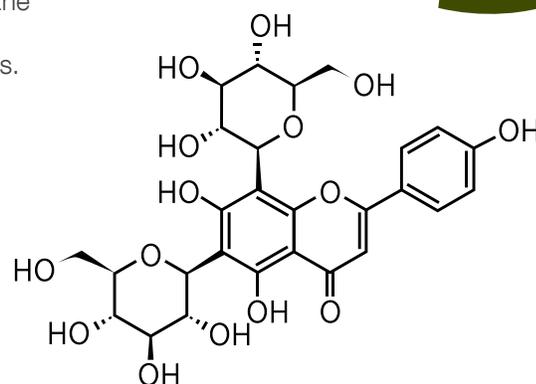
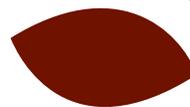




The new intelligent ingredient for gut health

## Product Information

- ▶ **Benegut**® is obtained by water extraction out of *Perilla frutescens* (L.) leaves, an annual edible herbaceous plant native to Asia.
- ▶ *Perilla frutescens* is a member of the family *Lamiaceae*.
- ▶ Its common names are: Shiso (Japan), 紫蘇 Zi Su Ye (China), Perilla, Japanese Melisse or Japanese Basil (USA, Europe).
- ▶ **Benegut**® is a water-soluble fine beige powder.
- ▶ **Benegut**®'s production facility and manufacturing process comply with the highest international standards of safety, hygiene and quality control: ISO-9001:2008, ISO-22000:2005 and is GMP-certified for dietary supplements.
- ▶ **Benegut**® is a high quality, sustainable natural ingredient.
- ▶ **Benegut**® complies with the highest quality and traceability standards, completed by phytochemical characterization and stability data.
- ▶ **Benegut**® is standardized on a special flavonoid fraction, its key active ingredient Vicenin 2, and on rosmarinic acid, determined by HPLC.
- ▶ Suggested dosage of 150 mg twice daily can be easily incorporated into dietary supplement applications.



### Specifications:

Appearance:	Fine beige powder with a characteristic odor
Solubility:	Freely soluble in 100 g/L in water
Loss on drying:	< 5.0%
Particle size:	> 80%: < 180 µm
Bulk density:	0.25-0.33 g/ml
Tapped density:	0.34-0.48 g/ml
pH:	4.6-5.6 10% water solution
Foreign matter:	not detected
Total Polyphenols:	> 0.57%
Rosmarinic acid:	> 0.05%
Special Flavonoid Fraction:	> 0.18%
Including Vicenin-2 :	> 4.0%
Methyleugenol (Phenylpropene):	not detected (Limit: 0.1 ppm)
Myristicin (Phenylpropene):	not detected (Limit: 0.1 ppm)
Perillaketone (Terpenoid):	not detected (Limit: 0.1 ppm)
Microbiology: Ph. Eur. 7ed Cat. 5.1.4	complies

Buchwald-Werner S., et al, Perilla Extract improves gastrointestinal discomfort in a randomized placebo controlled double blind human pilot study, BMC Complementary and Alternative Medicine (2014)  
 Fujii H., et al., Investigation of a Perilla frutescens special extract. Anti-inflammatory and immune-modulatory properties. Agrofood Industry hi-tech (2012)

For more information about Benegut® go to: [RFIngredients.com](http://RFIngredients.com)

☎ 845-358-8600 | ✉ [info@rfiingredients.com](mailto:info@rfiingredients.com) | 300 Corporate Drive, Suite 14, Blauvelt, New York 10913

