

## Nutrigut<sup>®</sup> - the innovation for digestively stressed consumers



- ✿ Don't let bloating, gas, and gastrointestinal discomfort effect your quality of life.
- ✿ Try Nutrigut - an innovative, natural, gut health ingredient based on Shiso leaves. It has an immediate and perceptible balancing effect on bowel comfort.
- ✿ *In vitro* and human studies demonstrated that Nutrigut combines antispasmodic, prebiotic as well as anti-inflammatory effects contributing to the relief of gastrointestinal discomfort. Independent if it is stress or food causing gastrointestinal worries, Nutrigut will be of help to make your gut happy.
- ✿ Nutrigut is scientifically proven, IP protected and approved to be used in food supplements.
- ✿ Nutrigut is the brand name for Benegut in Europe and Australia.

## Nutrigut<sup>®</sup> - supports concepts for:

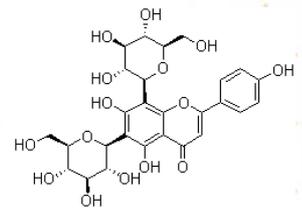
- ✿ Gut health - to improve gastrointestinal comfort
- ✿ Well-aging - to maintain and improve digestion during aging
- ✿ Well-being - to reduce bloating and support a flat belly
- ✿ Sports nutrition - to regulate digestion during sports

These statements have not been evaluated by FDA and EFSA.

The product is not intended to diagnose, treat or cure any disease.

### Nutrigut® - product information

- Nutrigut 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.  
Common names are:  
Shiso (Japan), 紫蘇 Zi Su Ye (China)  
Perilla, Japanese Melisse or Japanese Basil (USA, Europe)
- Nutrigut is standardized on a special flavonoid fraction, its key active ingredient **Vicenin 2** and on rosmarinic acid, determined by HPLC.
- Nutrigut is a water soluble fine beige powder with neutral taste.  
Its recommended daily dosage is 300 mg.
- Nutrigut'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.
- Nutrigut complies with highest quality and traceability standards, completed by phytochemical characterization and stability data.



#### 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:	0.2-0.6 g/ml
Tapped density:	0.4-0.8 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. 8ed Cat. 5.1.4:	complies
Pesticides (EC) NO396/2005:	complies
Heavy metals (EC) NO1881/2006:	complies

