The Innovation for Cognitive Performance

- **Bluenesse®** is an exclusive *Melissa officinalis* extract developed to support cognitive performance.

- *In vitro* and human studies as well as a phytochemical investigation confirmed that **Bluenesse®** supports:
  - Alertness / concentration / mental focus
  - Working memory
  - A calm, positive mood
  - Ability to cope with occasional stress
  - Improvement of age-related cognitive function

- The 300 mg daily dosage can be incorporated into food supplements, foods and beverages.

- **Bluenesse®** can be taken on demand - effects are created within one hour of intake and are still measurable after three hours.

- Vital Solutions’ research extensive know-how in natural products enabled them to identify a special lemon balm breeding line supporting cognitive effects, particularly alertness and memory.

- Each batch of **Bluenesse®** undergoes bioassay-guided efficacy testing to confirm cognitive effects – this is a new dimension of quality control.

- **Bluenesse®** - Bridges the gap between a traditional European herb and innovative technologies.

Bluenesse®, is a registered trademark of Vital Solutions GmbH, Germany.
Product Information

- **Bluenesse®** is obtained by water extraction out of special breeding lines of *Melissa officinalis* leaves, an annual edible herb native to Europe.
- *Melissa officinalis* is a member of the family Lamiaceae.
- Its common names are: Lemon balm (EU, USA); Melisse (Germany).
- **Bluenesse®** is a proprietary *Melissa officinalis* leaf extract, standardized on **muscarinic M1 receptor affinity** and on **rosmarinic acid**, determined by HPLC.
- **Bluenesse®** modern, state of the art production facilities and GMP-compliant production conditions ensures reproducible quality of the products.
- **Bluenesse®** has a pleasant taste and is a water soluble fine beige powder.
- **Bluenesse®** complies with highest quality and traceability standards, completed by phytochemical characterization.

Supports Concepts for:

- Cognitive performance.
- Well-aging - Stress relief.
- Weight management.
- Health claim supporting blends are available on request.

**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: 100% < 500µm  80% < 300µm
- Foreign matter: not detected
- Rosmarinic acid: > 6%
- Muscarinic M1 receptor affinity: yes
- Microbiology: Ph. Eur. 7ed Cat. 5.1.4 complies
- Pesticides (EC) NO396/2005: < 0.01 mg/kg (ppm) according to legislation
- Heavy metals (EC) NO1881/2006: complies


For more information about Bluenesse® go to: RFIingredients.com
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