

### UNIQUE VALUE PROPOSITION

- **Exclusive glucosamine salt on the market:** the active form of folate, 5-methyltetrahydrofolate, naturally presents in the body and available for its biological action
- **Quatrefolic® co-branding** differentiates products, and consumer appreciation for branded ingredients with proven benefits
- **Educational marketing support:** Marketing Tools that support communication with customers
- **International patents** for recognized health indications & formulations
- **High solubility** ensures the highest bioavailability compared to old-generation compound
- **In-house production (Italy)**

### SUGGESTED DAILY DOSAGE

In North America, the Daily Value (DV) for folate is listed as micrograms (mcg) of dietary folate equivalents (DFE). Men and women (>19) and older: 400 mcg DFE. The DV must be checked with the local authority by the manufacturer of the finished product.

### PORTFOLIO

- Standard powder
- Fine powder

### CLINICAL STUDIES

#### Quatrefolic® is powered by science

Active folate has been a key ingredient for the past 10 years. We have reached many benefits with clinical validations in the following categories:

- Quatrefolic® and Fertility
- Quatrefolic® and Pregnancy
- Quatrefolic® and Cardiovascular disease
- Quatrefolic® Bioavailability
- Quatrefolic® Safety
- Ongoing clinical trials to enlarge the folate applications

### PRODUCT APPLICATIONS

- Advanced solutions platform: expert formulation support to guide your vitamin B9 product development
- Tablets & capsules (standard, chewable, hard capsules, soft gels)
- Liquids (droplets, sprays)
- Stick and instant drink powder
- Combinations with other minerals

### KEY HEALTH BENEFITS

- **CARDIOVASCULAR Health:** Clinical trial indicated the homocysteine-lowering and normalizing effect of Quatrefolic® → tangible advantages versus folic acid
- **FERTILITY:** Quatrefolic® demonstrates to be effective in fertility both in women and men
- **PREGNANCY:** Quatrefolic® reduces the risk of delivering a child with several types of birth defects, such as neural tube defects (NTD) and possibly leading to poor growth in the fetus or placenta
- **MENOPAUSE:** Quatrefolic® may help postmenopausal women to normalize homocysteine, contributing to helping hot flashes, and cardiovascular and bone health of aging women
- **MOOD & COGNITION:** Quatrefolic® crosses the BBB and enters the central nervous system supporting mood and mental functions, normalizing Hcy, and lowering inflammation
- **SPORT & ENERGY:** Quatrefolic® can help to control oxidative stress and sustain cellular repair and the immune system
- **GLUCOSE metabolism:** Quatrefolic® represents an innovative and easy approach to help manage glycemic problems, diabetes progression, and diabetes complications

### QUALITY

- The 4<sup>th</sup> generation 5-MTHF glucosamine salt is more soluble than the old-generation compound, the 5-MTHF calcium salt, and may be better absorbed by the body
- Recognized **GRAS:** Gnosis has undertaken several in vitro and in-vivo preclinical and clinical studies to characterize and guarantee the safety profile of the product
- **Certifications:** Non-GMOs, Halal, Kosher, GMP, FSSC 22000, Employee Safety Certificate
- **Sustainability:** ISO14001, ISO45001

### BEST PRACTICES

- Winner 2022**
- Lamberts, Methyl B Complex, 60 tabs
  - Actifolic, 30 Capsules
  - NaturoBest
- Quatrefolic® + Betaine + B12 f (Hyc)
  - Quatrefolic® + Fermented Red Rice (cholesterol)
  - Quatrefolic® + Iron (anemia)
  - Quatrefolic® + MenaQ7® (Cardio)
  - Quatrefolic® + Lynside® Forte Selenium (Fertility)
  - Quatrefolic® + Adonat® (Mood & Cognition)

