



## TECHNICAL DATA SHEET

**DESCRIPTION:** Quatreflora™ Biotic is an ingredient from a proprietary and patented yeast strain *Saccharomyces cerevisiae*, selected and registered by Lesaffre in the CNCM collection with the number I-3856. Quatreflora™ Biotic is a beneficial live yeast to support healthy balance of vaginal microflora.

**INGREDIENT STATEMENT:** Active dried yeast *Saccharomyces cerevisiae* CNCM I-3856.

**PACKAGING:** 12.5 Kg (bag in box) under vacuum.

**CUSTOM CODE:** 2102 10 90 90

**STORAGE:** To be stored in its original packaging in a cool and dry place protected from direct sun-light (<25°C).

**SHELF-LIFE:** 3 years in its original packaging under vacuum.

### PHYSICO-CHEMICAL CHARACTERISTICS

|                           |                                   |
|---------------------------|-----------------------------------|
| <b>Appearance</b>         | Free flowing, spherical particles |
| <b>Color</b>              | Light brown                       |
| <b>Aroma &amp; flavor</b> | Yeasty                            |
| <b>Density</b>            | ~0.83 g/cm <sup>3</sup>           |
| <b>Hygroscopy</b>         | Hygroscopic product               |

### FEATURES BENEFITS

|                    |  |
|--------------------|--|
| <b>Safety</b>      | US GRAS status (Generally Recognized As Safe) - FDA 21 CFR §172.896<br>EU QPS status (Qualified Presumption of Safety)*<br>As for all the probiotics, the use of <i>Saccharomyces cerevisiae</i> in patients in fragile health conditions (such as high-risk immune-compromised individuals, critically sick infants, pre-term infants...) is contraindicated. |
| <b>GMO</b>         | Does not contain any GMO as defined by European Directive 2001/18/CE   |
| <b>Application</b> | Dietary supplements application  |

\* The strain satisfies the prerequisites according to EFSA QPS qualifications  
\*\* Additional information available upon request

## ANALYTICAL PROFILE

### SPECIFICATIONS

|  |                               |                               |
|--|-------------------------------|-------------------------------|
| <b>Viable and culturable yeast cells</b> | Based on BS EN 15789:2009     | ≥ 5.0 x 10 <sup>9</sup> CFU/g |
| <b>Dry matter</b>                        | Internal method               | 93 - 96 % (w/w)               |
| <b>Total aerobic microbial count</b>     | Based on ISO 4833             | ≤ 10 <sup>5</sup> CFU / g     |
| <b>Total coliforms</b>                   | Based on ISO 4832             | ≤ 100 CFU / g                 |
| <b>E. Coli</b>                           | Based on Afnor SDP 07/1-07/93 | Absence / g                   |
| <b>Salmonella</b>                        | Based on ISO 6579             | Absence / 25 g                |
| <b>Staphylococcus aureus</b>             | Based on Afnor NF V08-014     | Absence / g                   |
| <b>Listeria</b>                          | Based on Afnor V08-055        | Absence / 25 g                |



## NUTRIENT CONTENT (Typical data)

(Values are given for indication only)

|                     |                                |                            |
|---------------------|--------------------------------|----------------------------|
| <b>Energy</b>       | 340 Kcal /100 g (1430 Kj/100g) |                            |
| <b>Fat</b>          | 5.5 g / 100 g                  | <b>Protein</b> 39 g /100 g |
| <b>Carbohydrate</b> | 20 g / 100 g                   | <b>Salt</b> 0.2 g / 100g   |
| <b>Fiber</b>        | 28 g / 100 g                   | <b>Ash</b> 4 g / 100 g     |

### VITAMINS

/100g

|                              |         |
|------------------------------|---------|
| <b>B1</b> (Thiamine)         | 3.4 mg  |
| <b>B2</b> (Riboflavin)       | 2.8 mg  |
| <b>B3 - PP</b> (Niacin)      | 38.7 mg |
| <b>B5</b> (Pantothenic Acid) | 9.2 mg  |
| <b>B6</b> (Pyridoxine)       | 1.3 mg  |
| <b>B9</b> (Folic Acid)       | 600 µg  |
| <b>B12</b> (Cobalamin)       | 0.3 µg  |

### MINERALS

mg/100g

|                   |      |
|-------------------|------|
| <b>Potassium</b>  | 1420 |
| <b>Phosphorus</b> | 780  |
| <b>Magnesium</b>  | 100  |
| <b>Calcium</b>    | 40   |
| <b>Zinc</b>       | 10   |
| <b>Iron</b>       | 2    |

### AMINO ACIDS

g/100g

|                           |     |
|---------------------------|-----|
| <b>Alanine</b>            | 2,0 |
| <b>Arginine</b>           | 1,7 |
| <b>Aspartic Acid</b>      | 3,7 |
| <b>Cysteine + Cystine</b> | 0,5 |
| <b>Glutamic Acid</b>      | 5,3 |
| <b>Glycine</b>            | 1,6 |
| <b>Histidine*</b>         | 0,8 |
| <b>Isoleucine*</b>        | 1,6 |
| <b>Leucine*</b>           | 2,6 |
| <b>Lysine*</b>            | 2,8 |
| <b>Methionine*</b>        | 0,6 |
| <b>Phenylalanine*</b>     | 1,5 |
| <b>Proline</b>            | 1,3 |
| <b>Serine</b>             | 1,9 |
| <b>Threonine*</b>         | 1,9 |
| <b>Tryptophan*</b>        | 0,5 |
| <b>Tyrosine</b>           | 1,3 |
| <b>Valine*</b>            | 2,0 |

\* essential amino acids

## HEAVY METALS

µg/g (ppm)

|                |       |
|----------------|-------|
| <b>Arsenic</b> | < 1   |
| <b>Cadmium</b> | < 1   |
| <b>Mercury</b> | < 0.1 |
| <b>Lead</b>    | < 3   |