

## TECHNICAL DATA SHEET

### FRESH ELDERFLOWER STRONG INFUSION AQUEOUS

**DESCRIPTION:** An extract from the flowers of European Elder (*Sambucus nigra* L.). The product is manufactured from fresh and dried elderflowers, water, and citric acid, using potassium sorbate and sodium metabisulfite as preservatives. As a natural product this may contain a slight sediment; mix, decant or filter before use if necessary.

|                           |   |
|---------------------------|---|
| Ransom Product Code       | EL/01   |
| Plant species used        | <i>Sambucus nigra</i> L.  |
| Plant part used           | Fresh and dried flowers   |
| Flavouring classification | Natural Flavouring Preparation (if used at <2% in product);<br>Natural Flavouring Preparation and Preservative (Sodium Metabisulphite) (if used at >2% in product).<br>(according to Regulation (EC) No. 1334/2008) |
| Labelling recommendations | Natural Elderflower Extract, Natural Elderflower Infusion, Natural Elderflower Flavouring, Natural Flavouring, etc.   |

#### SENSORY CHARACTERISTICS

A pale yellow liquid with a floral and herbal odour.

#### TASTE<sup>#</sup>

A characteristic fresh floral flavour with persistent herbal notes.

#### WEIGHT PER ML @ 20°C

0.980 – 1.020g/ml

#### REFRACTIVE INDEX @ 20°C

1.325 – 1.345

#### pH

3.8 – 4.2

#### CONTENT OF POTASSIUM SORBATE<sup>#</sup>

0.18 – 0.22 %w/v\*

#### CONTENT OF SULPHUR DIOXIDE<sup>#</sup>

Not More Than (NMT) 500ppm

#### HEAVY METALS

NMT 10 ppm

#### MICROBIOLOGY

##### TOTAL AEROBIC MICROBIAL COUNT

NMT 10<sup>2</sup> cfu/ml

##### TOTAL COMBINED YEASTS/MOULDS COUNT

NMT 10<sup>1</sup> cfu/ml

##### BILE TOLERANT GRAM-NEGATIVE BACTERIA

Absent in 1ml

\* Initial release limit only. Shelf life and retest limit NLT 0.08%w/v.

#### CONTAMINANTS

Monitoring testing for heavy metals and pesticide residues is carried out on the raw material or product. The product will comply with food legislative requirements if tested.

#### ANALYTICAL METHODS

All analytical methods detailed above are in accordance with British Pharmacopoeia (BP) standard methods, or (#) Ransom methods.

#### APPROVAL

|        |             |           |             |              |             |
|--------|-------------|-----------|-------------|--------------|-------------|
| Author | C WELHAM    | Reviewer: | M WILLETS   | QA Approval: | L MAJDI     |
| Date:  | 17 SEP 2024 | Date:     | 17 SEP 2024 | Date:        | 07 OCT 2024 |

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**STORAGE** Store in well filled, well-closed containers, protected from light and at a temperature not exceeding 30°C.

**RETEST PERIOD** One year (unopened container)

**NOTE:** This material contains sodium metabisulphite and as such is a potential allergen according to Regulation (EU) No 1169/2011. The final product will not require labelling for the presence of sulphites if used at 2% inclusion or less. This material may only be used at >2% inclusion if sodium metabisulphite is allowable as a preservative in the finished product and the finished product is labelled to meet the relevant additive and allergen labelling requirements.

#### APPROVAL

|        |             |           |             |              |             |
|--------|-------------|-----------|-------------|--------------|-------------|
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