

## TECHNICAL DATA SHEET

### BITTER ORANGE STRONG INFUSION 20% ETHANOL

**DESCRIPTION:** An extract from the dried peel of Bitter Orange (*Citrus aurantium* L. ssp. *aurantium*), ethanol, and water. As a natural product this may contain a slight sediment; decant or filter before use if necessary.

Ransom Product Code	OR/26
Plant species used	<i>Citrus aurantium</i> L. ssp. <i>aurantium</i>
Plant part used	Dried epicarp and mesocarp of the ripe fruit
Flavouring classification	Natural Flavouring Preparation (according to Regulation (EC) No. 1334/2008)
Labelling recommendations	Natural Bitter Orange Extract, Natural Bitter Orange Infusion, Natural Bitter Orange Flavouring, Natural Flavouring, etc.

#### SENSORY CHARACTERISTICS

A clear orange-brown liquid.

#### TASTE#

A characteristic citrus flavour with bitter notes.

#### WEIGHT PER ML @ 20°C

0.980 – 1.020g/ml

#### REFRACTIVE INDEX @ 20°C

1.340 – 1.360

#### pH

4.5 – 5.5

#### CONTENT OF ETHANOL#

18 – 23%v/w  
(18 – 22%v/v)

#### HEAVY METALS

Not More Than (NMT) 10 ppm

#### MICROBIOLOGY

##### TOTAL AEROBIC MICROBIAL COUNT

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

##### TOTAL COMBINED YEASTS/MOULDS COUNT

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

##### BILE TOLERANT GRAM-NEGATIVE BACTERIA

Absent in 1ml

#### 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.

#### STORAGE

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

#### RETEST PERIOD

Two years (unopened container)

#### APPROVAL

Author	C WELHAM	Reviewer:	M WILLETS	QA Approval:	L MAJDI
Date:	17 JUN 2024	Date:	09 SEPT 2024	Date:	18 SEPT 2024