

TECHNICAL DATA SHEET

GUARANA STRONG INFUSION 20% ETHANOL

DESCRIPTION: An extract prepared from the seed of Guarana (*Paullinia cupana* Kunth), ethanol and water. As a natural product this may contain a slight sediment; decant or filter before use if necessary.

Ransom Product Code	GU/01
Plant species used	<i>Paullinia cupana</i> Kunth.
Plant part used	Dried seed
Flavouring classification	Natural Flavouring Preparation (according to Regulation (EC) No. 1334/2008)
Labelling recommendations	Natural Guarana Extract, Natural Guarana Infusion, Natural Guarana Flavouring, Natural Flavouring, etc.

SENSORY CHARACTERISTICS	An orange-brown liquid.
TASTE[#]	A characteristic earthy and nutty flavour.
WEIGHT PER ML @ 20°C	0.970 – 1.010g/ml
REFRACTIVE INDEX @ 20°C	1.340 – 1.360
pH	5.5 – 7.0
CONTENT OF ETHANOL[#]	18 – 23%v/w (18 – 22%v/v)
CONTENT OF CAFFEINE[#]	Recorded (Typically 0.2 – 0.6 %w/w)
HEAVY METALS	Not More Than (NMT) 10 ppm

MICROBIOLOGY

TOTAL AEROBIC MICROBIAL COUNT	NMT 10 ² cfu/ml
TOTAL COMBINED YEASTS/MOULDS COUNT	NMT 10 ² 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:	18 SEP 2024	Date:	19 SEP 2024	Date:	02 OCT 2024