

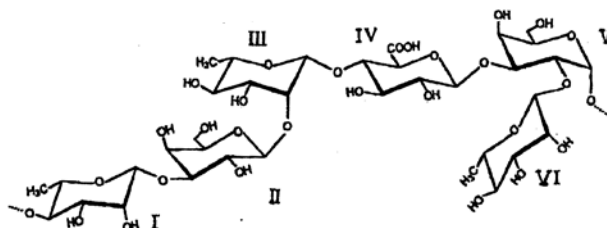
RHAMNOSOFT® HP 1.5P

Inflammation softening polysaccharide Special damaged skin

Ref. AC104

DEFINITION

RHAMNOSOFT® HP 1.5P is a polysaccharide obtained by bacterial fermentation. It presents a branched structure and a sugar sequence rich in rhamnose (I, III, VI), galactose (II, V) and glucuronic acid (IV).



PRESENTATION

- | | |
|---|---|
| • Sample | plastic flask - 60 mL |
| • Code / Packaging
<i>to be mentioned with your order</i> | AC104KC - can of 5 Kg
AC104KF - can of 25 Kg |

ORGANOLEPTIC CHARACTERISTICS

- | | |
|---------------------|--------------------------|
| • Appearance | liquid |
| • Color | colorless to pale yellow |
| • Odor | characteristic |

ANALYTICAL CHARACTERISTICS

- | | | | |
|---|------------|-----------------------|----------|
| • pH | 5.0 – 6.0 | • Chlorides | ≤ 0.2% |
| • Dry extract
<i>Drying oven, 4h at 100-105°C</i> | 1.5 – 3.5% | • Heavy metals | ≤ 20 ppm |
| • Rhamnose | 0.7 – 1.1% | • Arsenic | ≤ 2 ppm |

MICROBIOLOGICAL CHARACTERISTICS

- | | |
|---|---------------|
| • Total aerobic microbial count
<i>Eur. Ph. 8th ed. § 2.6.12 – 2.6.13</i> | ≤ 100 C.F.U/g |
| • Specified germs (<i>Escherichia coli, Salmonella sp., Pseudomonas aeruginosa, Staphylococcus aureus</i>)
<i>Eur. Ph. 8th ed. § 2.6.12 – 2.6.13</i> | absence |
| • Total combined Yeasts – molds count
<i>Eur. Ph. 8th ed. § 2.6.12 – 2.6.13</i> | ≤ 10 C.F.U/g |

- Cell communication
- Soothing & β – endorphins releaser
- Pleasure anti-inflammatory

SOLUBILITIES

• Water	soluble	• Alcohol 50% v/v	partially soluble
• Propylene glycol	soluble	• Mineral oil	non miscible
• Glycerol	soluble	• Vegetal oil	non miscible

SAFETY TESTS

• Acute oral toxicity* <i>OECD n°401 – limit test on pure product</i>	no oral toxicity, LD 50 > 5 g/kg
• Acute eye irritation* <i>OECD n°405 – pure product</i>	non irritant
• Acute dermal irritation* <i>OECD n°404 – pure product</i>	non irritant
• Superficial cutaneous aggressiveness in guinea pig* <i>Repeated applications - pure product</i>	non irritant
• Sensitizing potential* <i>OECD n°406 – pure product</i>	non sensitizing
• Mutagenicity* <i>Bacterial Reverse Mutation Test – product diluted according to protocol</i>	no mutagenic activity
• Phototoxicity** <i>3T3 NRU method - product diluted according to protocol</i>	no phototoxic activity
• Toxicological Assessment Certificate** <i>Certified within the framework of the UNITIS charter</i>	without reasonably foreseeable risk

* Tests carried out on RHAMNOSOFT® AC046

** Tests carried out on RHAMNOSOFT® HP, AC088

STORAGE

• Shelf life <small>MODIFICATION</small>	4 years in closed original packaging
• Preservative system	1.5% of phenoxyethanol
• Storage conditions	store at room temperature, away from light

LEGISLATIVE INFORMATION

• INCI / CTFA	Biosaccharide gum-2	
• CAS	283602-75-5	
• EINECS*	<i>L-Rhamnose</i>	222-793-4
	<i>D-Galactose</i>	200-416-4
	<i>Glucuronic acid</i>	209-401-7
• Customs code	3913-90-00	

* RHAMNOSOFT® HP 1.5P doesn't need to be notified because it is a polymer according to the 93/32/EEC directive, whom basis units are noted at the EINECS.