**COMPOSITION**

The active component of the preparation represents lyophilized cells of the strain *Lactobacillus bulgaricus* 51 /LB-51/ and the biologically active products synthesized by the microorganisms as a result of their vital functions. One tablet contains 1.575 g of the active component.

**ADVANTAGES**

- Gastropharm is a product of completely biological origin.
- Its good therapeutic effect is due to *Lactobacillus bulgaricus* as well as to the biologically active products resulting from its vital activity: ribonucleic acid, nucleotides, polypeptides, alpha-amino acids, polysaccharides, lactic acid, malic acid, etc.
- It quickly relieves ulcer symptoms such as gastric hyperacidity, pyrosis and pain due to its high protein content.
- It neutralizes acids in the stomach in a physiological way by means of the buffering effect of the proteins contained in it.
- Alongside with the symptomatic effect, Gastropharm induces also gastroprotective effect, which is confirmed by the decrease in the histological inflammatory changes in the mucous membrane and healing of the ulcer after a 1-month therapeutic course.
- Gastropharm reliably prevents gastritis during prolonged drug administration, tobacco and alcohol abuse, spiced food consumption.
- The lactobacilli as well as the substances obtained from the soy nutrient medium which have entered the gastrointestinal tract provoke the production of some bacterial enzymes which themselves suppress the development of pathogenic microflora.
- *Lactobacilli* contained in Gastropharm induce antibacterial effect in infections caused by *Helicobacter pylori*, which occur with ulcer.
- The product does not contain anaesthetic, analgetic, spasmodic and alkalinizing substances.
- Gastropharm has a high level of safety due to its biologically active nature. It does not induce adverse effects.
- It is not contraindicated for administration during pregnancy and lactation, driving and operating of machines.
- It is compatible with any medicinal product.

**PHARMACOLOGICAL ACTION**

Physiologically neutralizing effect of proteins (25%-30%) nucleotides and nucleosides, organically connected phosphorus and polysaccharides, quickly influences the increased acidity and pain symptoms provoked by it and accompanying ulcer. Stimulates the regenerative process and helps the recovering of normal structure and functions of the gastric-duodenal mucosa and indirectly stimulates the lower section of the digestive system.

The curative effect of the preparation is due to the activity of the strain *Lactobacillus bulgaricus* 51 /LB-51/ and the substances synthesized as a result of its vital functions (lactic and malic acid, nucleic acid, a number of aminoacids, polypeptides, and polysaccharides), as well as to the large amounts of proteins (25-35%) which favorably affect the mucous coating of the digestive tract.

**INDICATIONS**

For treatment of acute and chronic gastritis, increased acidity of the gastric juices, gastric and duodenal ulcers in children aged three years and more and in adults. Along with and after treatment with medicinal products which irritate the gastro-intestinal tract, after taking of food which raises the acidity level of the gastric juice, after alcoholic or tobacco abuse.

**CONTRAINDICATIONS**

None reported so far.

**MEDICINAL INTERACTIONS**

Gastropharm is compatible with all other medicinal preparations.

**UNDESIRABLE REACTIONS**

The preparation is absolutely safe, it is not toxic and has no adverse effect on drivers. In case of overdosage no adverse effects were observed.

**MODE OF ADMINISTRATION AND DOSAGE**

The tablets are taken *orally 3 times daily*, half an hour prior to meal taking with some water. The single dose for adults rates at 2.5 - 5 g (1-2 tablets) and the single dosage for children is equal to 1.25 g (1/2 tablet). In case of acute gastritis or inadequate administration results the daily dosage could be doubled. The treatment effect is usually observed at the end of the first treatment week. For better results it is advisable to take the preparation for at least one month. If needed, the treatment could be prolonged. The prophylactic daily dose is 2 to 3 tablets.

**PACKING**

6 tablets of 2.5 g per each blister.

**STORAGE**

Keep in cool and dry places (15-25°C), protected from direct sunlight.

**SHELF LIFE**

Four (4) years.
The clinical efficacy of Gastropharm tablet was evaluated in patients suffering duodenal ulcer in comparison to placebo. The results were obtained with respect to the effect exerted upon the clinical symptoms (pain and dyspepsia syndrome), the epithelialization of the duodenal ulcer, density of the Helicobacter pylori infection and accompanying gastritis confirm the therapeutic effect of the product which is significantly better than that in the patients given placebo.

**Therapeutic effect of Gastropharm compared to placebo on the epithelialization of duodenal ulcer**

- **Gastropharm**: 43.3%
- **Placebo**: 23.3%

**Therapeutic effect of Gastropharm compared to placebo on the size of duodenal ulcer**

- **Before treatment**: 8.53 mm
- **After treatment**: 8.2 mm

**Therapeutic effect of Gastropharm compared to placebo on gastritis accompanying ulcer - gastroscopic data**

- **Before treatment**: 100%
- **Histomorphologically improved**: 84.4%
- **After treatment**: 93.3%

**Clearance of Helicobacter pylori after 4-week therapeutic course with Gastropharm compared to placebo**

- **Before treatment**: 83.3%
- **After treatment**: 71.3%

**Therapeutic effect of Gastropharm and placebo on pain syndrome in patients suffering duodenal ulcer**

- **Gastropharm**: 96.3%
- **Placebo**: 93.3%

**Therapeutic effect of Gastropharm compared to placebo on the dyspepsia syndrome in patients suffering duodenal ulcer**

- **Gastropharm**: 93.3%
- **Placebo**: 60.0%

**Therapeutic effect of Gastropharm compared to placebo on the density of Helicobacter pylori infection**

- **Before treatment**: 43.3%
- **After treatment**: 43.3%

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