

# BRONCHOFIT

## POWDER

For Veterinary Use Only

### COMPOSITION:

Each gm contains:

Bromhexine HCl.....10mg

Tartaric Acid.....150mg

### INDICATION:

**Bronchofit Powder** has Bromhexine, a mucoregulator, used alone or in combination with antimicrobials for respiratory diseases where there is impaired mucociliary clearance. Tartaric acid is an organic acid helps to elicit a positive response in growth performance resulting in the improvement of nutrient digestibility, thereby ameliorating the performance of birds. Bronchofit powder has an expectorant properties used in poultry for the treatment in respiratory diseases such as avian influenza, infectious Coryza, pharyngitis, larynges trachealis, sinusitis, pleuritic, pneumonia, bronchopneumonia, atelectasis, lung abscesses, CRD & CCRD. In acute infections, BronchoFit is recommended to be given with antibiotics or antibacterial agent etc.

### PHARMACOKINETICS:

**Bromhexine HCl** is a mucolytic agent that is rapidly absorbed following oral administration. After ingestion, it is metabolized in the liver to its active metabolite, ambroxol, which is responsible for its therapeutic effects. The peak plasma concentration of Bromhexine occurs within 1-2 hours. It is distributed widely throughout the body and is primarily excreted in the urine as both unchanged drug and its metabolites. The half-life of bromhexine is approximately 12 hours, contributing to its effectiveness over a prolonged period.

**Tartaric acid**, included as an excipient in the formulation, enhances the solubility and absorption of the active ingredient, bromhexine. Its absorption is efficient, and it is rapidly excreted through the kidneys.

### PHARMACODYNAMICS:

**Bromhexine** works by breaking down the mucopolysaccharide fibers in the mucus, making it less viscous and easier to clear from the respiratory tract. This leads to an improved ability to expel mucus from the airways, which can help alleviate symptoms in

conditions like chronic bronchitis and other respiratory disorders. Bromhexine has also shown some anti-inflammatory effects that may contribute to its overall therapeutic profile.

**Tartaric acid** in the formulation primarily functions as a stabilizing agent, optimizing the bioavailability of bromhexine by enhancing its dissolution and absorption in the gastrointestinal tract. This allows bromhexine to exert its mucolytic action more efficiently.

### DOSAGE & ADMINISTRATION:

Bronchofit is administered orally in drinking water for 3-5 days, as follows:-

**Prevention:** 1 g per 8 liters of drinking water for 3-5 days.

**Treatment:** 1 g per 4 liters of drinking water for 3-5 days.

### PRECAUTIONS:

Use medicated drinking water within 24 hours.

Consult the veterinarian before use.

Protect from light & moisture.

Keep out of the reach of children.

Store between 15- 25 degree centigrade in a cool and dry place.

**Withdrawal Time:** 02 Days

**Selmore's Specs**



 **Selmore**  
Pharmaceuticals (Pvt) Ltd.

Manufactured by:  
Selmore Pharmaceuticals (Pvt) Ltd.  
36 Km Multan Road, Lahore, Pakistan.

