



Zoomaria S.r.l.

Viale G. Mazzini, 31/L - 36100 Vicenza (VI), ITALY

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Broncholyte

Liquid Premix of Feed Additives / Oral solution

Bronchodilator for Oral Administration

COMPOSITION: Each 1 litre contains

Eucalyptus globulus oil (Eucalyptol) , Mentha piperita essential oil (Menthol) , Thymus vulgaris oil (Thymol) , Glyceryl polyethylene glycol ricinoleate , B.H.T. (Butylated hydroxytoluene) , Propylene glycol (1,2 propanediol) up to 1 liter.

Indication:

is highly effective as mucolytic expectorant that increases bronchial secretions and decreases the viscosity due to powerful combination;

contain Eucalyptus Oil an organic substance as inhalant expectorant, which significantly enhances the desired output;

is supported in case of respiratory problems where excess mucus is present as in Newcastle disease and Infectious Bronchitis (IB);

is also indicated to resolve the symptoms that result from respiratory problems such as difficulty in breathing and sneezing in poultry;

very helpful to decrease the effect of post vaccination stress, cold-cough stress, asthma, sinusitis effect and heat stress;

Eucalyptus, Mint and Thyme oils are etheric essential oils obtained from aromatic herbs. They are known to have antibacterial, insect repellent, flavourings and aromatic effects;

Menthol obtained from mint oil has anti-pruritic, decongestant and cooling effect;

Natural anti-inflammatory and expectorant;

Relief nasal congestion, sinusitis, bronchitis and bronchial asthma;

Natural antioxidant, antibacterial and antivirus;

Helps to reduce respiratory symptoms, especially with post vaccination reactions;

Spraying helps to improve animal's surroundings and to reduce the health risks when they are housed in a crowded manner;

Better homogeneity and performance parameters;

Boost immunity to overcome respiratory signs associated with bacterial and viral infection as well as overcrowding;

Works as bronchodilator that help the ease of respiration during periods of severe stress;

Helps in treatment of many viral disease that affect the respiratory system like AI, ND, IB and I LT;

Stimulates the appetite and increase feed intake consequently improve general performance;

Reduces mortality and morbidity during infection by respiratory disease;

Zoomaria S.r.l. Unipersonale

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VAT : 04033200249 Registration : VI 373498

Authorization EU Regulation 183/2005: a IT 000427VI



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Helps in treatment of many bacterial disease that affect respiratory system like E.coli, Mycoplasma and CRD;
Relieving respiratory symptoms related to infections;
Reducing respiratory reactions after vaccinations;
Giving extra comfort to livestock in hot weather;
Relieving respiration when ammonia levels are elevated in farms (e.g. crowded housing);
Reducing infection pressure with its antibacterial effect;

Mode of action:

Bronchodilator with immune stimulant effect

Eucalyptus oil has clear thin appearance that provide a fresh, cooling and soothing application with soft earthy aroma

Peppermint and eucalyptus have immune-stimulatory effect on cell mediated and/or humeral immunity in chicken vaccinated against ND and AI as it gives higher HI titers when birds treated with it Enhance phagocytic cell activity

It was concluded that eucalyptus and peppermint oils proved to be able to implement innate-cell mediated, humoral immune response and have a potent immunomodulatory effect in chickens

Thymol has antimicrobial activity because of its phenolic structure, and has shown antibacterial

activity against bacterial strains including *Aeromoans hydrophila* and *Staphylococcus aureus*

In addition, Thymol demonstrates confidential post antibacterial effect against some microorganisms. This antibacterial activity is caused by inhibiting growth and lactate production, and by decreasing cellular glucose uptake.

General tonic, increase cardiac activity due to its eucalyptus content.

Dosage and Administration: For oral administration via drinking water

BRONCHOLYTE must be administrated via drinking water or spray method, preferably to be diluted in ratio of 1:10 before mixing with drinking water

Poultry: 100-200 ml per 1000 liters of drinking water

Large animals: 100-200 ml per 1000 liters of drinking water

Shake before use

Packing: Bottles of 40 x 250 ml per carton box, Bottles of 18 x 500 ml per carton box, Bottles of 12 x 1 litre per carton box; Can of 3 x 5 litre per carton box; Can of 10, 20 and 25 liters

Storage: Keep tightly sealed, dry, cool and protected from direct sunlight. Opened packages should be used promptly.

Origin : Italy, European Union

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