

# Summary of Product Characteristics

## 1 NAME OF THE VETERINARY MEDICINAL PRODUCT

Tylan G20 Premix for medicated feedingstuff

## 2 QUALITATIVE AND QUANTITATIVE COMPOSITION

### Active substance:

Tylosin activity (as tylosin phosphate) 20 g per kg  
For a full list of excipients, see section 6.1.

## 3 PHARMACEUTICAL FORM

Premix for medicated feedingstuff.  
Light tan coloured, free flowing granular material

## 4 CLINICAL PARTICULARS

### 4.1 Target Species

Pigs

### 4.2 Indications for use, specifying the target species

For the prevention and control of enzootic pneumonia.  
For the treatment and control of *Lawsonia intracellularis*, the organism associated with Porcine Intestinal Adenomatosis (Ileitis) and Porcine Haemorrhagic Enteropathy.

### 4.3 Contraindications

Do not use in known cases of hypersensitivity.

### 4.4 Special warnings for each target species

None.

### 4.5 Special precautions for use

#### Special precautions for use in animals

For use in pig feeds only.  
Official, national and regional antimicrobial policies should be taken into account when the product is used.

### **Special precautions to be taken by the person administering the veterinary medicinal product to animals**

Tylosin may induce irritation. Macrolides, such as tylosin, may also cause hypersensitivity (allergy) following injection, inhalation, ingestion or contact with skin or eye. Hypersensitivity to tylosin may lead to cross reactions to other macrolides and vice versa. Allergic reactions to these substances may occasionally be serious and therefore direct contact should be avoided.

To avoid exposure during preparation of the medicated feed, wear overalls, safety glasses, impervious gloves and wear either a disposable half mask respirator conforming to European Standard EN149 or a non-disposable respirator to European Standard EN140 with a filter to EN143. Wash hands after use.

In the event of accidental skin contact, wash thoroughly with soap and water. In case of accidental eye contact, flush the eyes with plenty of clean running water.

Do not handle the product if you are allergic to ingredients in the product.

If you develop symptoms following exposure, such as skin rash, you should seek medical advice and show the physician this warning. Swelling of the face, lips and eyes or difficulty in breathing are more serious symptoms and require urgent medical attention.

#### **4.6 Adverse reactions (frequency and seriousness)**

None known

#### **4.7 Use during pregnancy, lactation or lay**

No adverse effects to tylosin have been seen in fertility, multi-generation or teratology studies

#### **4.8 Interaction with other medicinal products and other forms of interactions**

None observed

#### **4.9 Amounts to be administered and administration route**

For incorporation into dry feed at the registered mill.

A manufacturer who is approved to incorporate directly at any concentration, veterinary medicinal products or premixtures containing such products must be responsible for mixing when incorporation is less than 2 kg per tonne for final feed.

For oral administration.

*Prevention and control of enzootic pneumonia:*

3-6 mg tylosin activity/kg bodyweight, which may normally be achieved by adding the product at a rate of 5 kg per tonne, giving 100 g tylosin base per tonne. Feed as the only ration for 21 days.

*Treatment and control of Lawsonia intracellularis:*

3-6 mg tylosin activity/kg bodyweight, which may normally be achieved by adding the product at the rate of 5 kg per tonne, giving 100g tylosin base per tonne. Feed as the only ration for 21 days.

The product should be thoroughly mixed into the complete feed.

To ensure thorough dispersion of the product it should first be mixed with a suitable quantity of feed ingredients before incorporation in the final mix.

The intake of medicated feed depends on the clinical condition of the animals. In order to obtain the correct dosage, the concentration of Tylan G20 has to be adjusted accordingly.

**4.10 Overdose (symptoms, emergency procedures, antidotes), if necessary**

Tylan G 20 Premix has been shown to produce no adverse effects when fed to pigs at 600 ppm in the feed (six times the recommended maximum level) for 28 days.

The LD50 for both the rat and the mouse is >6200 mg tylosin activity/kg.

**4.11 Withdrawal period(s)**

Meat: Zero days

**5 PHARMACOLOGICAL or IMMUNOLOGICAL PROPERTIES**

Pharmacotherapeutic group: Macrolides

ATCvet code: QJ01FA90

**5.1 Pharmacodynamic properties**

Tylosin is a macrolide antibiotic produced by a strain of *Streptomyces fradiae*. It exerts its antimicrobial effect by inhibiting protein synthesis of susceptible micro-organisms.

The tylosin spectrum of activity includes Gram-positive bacteria, some Gram-negative strains such as *Pasteurella*, and *Mycoplasma* spp at concentrations of 16µg/ml or less.

**5.2 Pharmacokinetic particulars**

Absorption: Tylosin reaches maximal blood levels between 1 and 3 hours after an oral dose. Minimal or no blood levels remain 24 hours after an oral dose.

Distribution: After oral doses were given to pigs, tylosin was found in all tissues, between 30 minutes and two hours after administration, except for the brain and spinal cord.

Biotransformation and Elimination: It has been shown that most of the material which is excreted is to be found in the faeces and consists of tylosin (factor A), relomycin (factor D) and dihydrodesmycosin.

## **6 PHARMACEUTICAL PARTICULARS**

### **6.1 List of excipients**

Soya Bean Mill Run (SBMR)  
Antidusting Oil (Isopar M)

### **6.2 Major incompatibilities**

None known

### **6.3 Shelf-life**

Shelf life of the veterinary medicinal product as packaged for sale: 18 months.  
Shelf life after incorporation into meal or pelleted feed: 3 months.

### **6.4 Special precautions for storage**

Bag i) (3-ply kraft paper sack) Do not store above 25°C. Store in a dry place.  
Bag ii) (multiwalled sack) Do not store above 30°C. Store in a dry place.  
After mixing in feed, use within 3 months.

### **6.5 Nature and composition of immediate packaging**

25 kg 3-ply kraft paper sack, middle ply having an extrusion coating of low density polyethylene, stitched with tape and jute/cord filler.  
25 kg multiwalled sack comprising three layers (outer: bleached kraft paper, mid: kraft paper and inner: kraft paper, low density polythene, aluminium foil, low density polyethylene), with heat sealed closure.

### **6.6 Special precautions for the disposal of unused veterinary medicinal products or waste materials derived from the use of such products**

Any unused veterinary medicinal product or waste materials derived from such veterinary medicinal products should be disposed of in accordance with national requirements.

## **7 MARKETING AUTHORISATION HOLDER**

Elanco GmbH  
Heinz-Lohmann-Strasse 4  
27472 Cuxhaven  
Germany

## **8 MARKETING AUTHORISATION NUMBER(S)**

VPA22020/034/001

## **9 DATE OF FIRST AUTHORISATION/RENEWAL OF THE AUTHORISATION**

Date of first authorisation: 1<sup>st</sup> October 1988  
Date of last renewal: 6<sup>th</sup> February 2009

## **10 DATE OF REVISION OF THE TEXT**

July 2018