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Type of document:

**TECHNICAL DATA SHEET**

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## 81592-PYRANTEL EMBONATE

### 1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION.

#### 1.1 Identification of the substance or preparation.

Name: Pyrantel Embonate

Bulk code: 81592

#### 1.2 Synonyms.

(E)-1,4,5,6-tetrahydro-1-methyl-2-[2-(2-thienyl)vinyl]pyrimidine (1:1), 2-naphthoic acid, 4,4'-methylenebis(3-hydroxy-, compounded with, 4,4'-methylenebis(3-hydroxy-2-naphthoic acid), PYRANTEL PAMOATE, Pyrantel embonate, pyrantel pamoate, pyrantelpamoate.

### 2. DESCRIPTION

Appearance: Powder.

Colour: Yellow, light yellow.

### 3. COMPOSITION/INFORMATION ON COMPONENTS.

Formula:  $C_{11}H_{14}N_2S$ ,  $C_{23}H_{16}O_6$

CAS: 22204-24-6

EC: 244-837-1

Molecular weight: 594.7 g/mol

### 4. PHYSICO-CHEMICAL DATA.

See detailed specifications on analysis certificate.

**Solubility:** Soluble in dimethyl sulphoxide, slightly soluble in dimethylformamide, practically insoluble in water and methyl alcohol.

### 5. PROPERTIES/USES.

ACTIVE PHARMACEUTICAL INGREDIENT.

Pyrantel Embonate (or Pyrantel Pamoate) is an anthelmintic that is effective against intestinal nematodes, including ascaris (*Ascaris lumbricoides*), pinworms (*Enterobius vermicularis*) and *Thricostrongylus* spp., *Trichinella spiralis* and hookworms, although it may be less effective against *Necator americanus* than against *Ancylostoma duodenale*. It acts by paralysing susceptible worms, which are then evicted by peristaltic activity.



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1 g of pyrantel is equivalent to 2.9 g of pyrantel embonate.

### **6. DOSAGE.**

Doses are usually described in the base form. Pyrantel embonate may be administered:

Orally:

- Susceptible worms: 10 mg/kg as a single dose.
- Ascariasis: 5 mg/kg. Treatment schedules: 2.5 mg/kg administered in single doses 3 or 4 times a year.
- Necatoriasis: 10 mg/kg daily for 3 or 4 days or 20 mg/kg 2 days.
- Enterobiasis: 10 mg/kg repeated for 2 to 4 weeks.
- Trichinosis: 10 mg/kg/day for 5 days.

### **7. REMARKS.**

#### **STORAGE:**

Store at room temperature ( $25\pm 2^{\circ}\text{C}$ ), in a cool, dry place, away from sunlight, in a tightly closed container.

### **8. BIBLIOGRAPHY.**

European Pharmacopeia latest edition.

"Martindale. The Extra Pharmacopoeia". 30th Edition. Ed. The Pharmaceutical Press. London. (1993).