



COMMITTEE FOR VETERINARY MEDICINAL PRODUCTS

ROSMARINI FOLIUM

SUMMARY REPORT

1. *Rosmarini folium* (rosemary) is the dried leaves of *Rosmarinus officinalis* L.

The pharmacologically and toxicologically relevant components are: flavonoids, phenols (caffeic, chlorogenic and rosmarinic acids among others) and volatile oil containing monoterpene hydrocarbons including α - and β -pinenes, camphene and limonene together with cineole, camphor and borneol. The latter component constitutes 10-15% and camphor 10-20% of the oil.

2. *Rosmarini folium* is part of one veterinary medicinal product containing in total 14 active principles, intended to be used for inducing heat and rut in cattle, horses, pigs, sheep and goats. *Rosmarini folium* constitutes 10% of this product. The doses are 50 g of the product twice a day on two consecutive days for cattle and horses, and 10-20 g twice a day on 3-4 consecutive days for sheep, goats and pigs.
3. *Rosmarini folium* is used in human traditional medicine as a carminative, spasmolytic, thymoleptic, sedative and diuretic drug. It is also used for flatulent dyspepsia, and headache.
4. Oil of *Rosmarini folium* as well as 1,8-cineole and bornyl acetate have spasmolytic action in both smooth and cardiac muscle. The spasmolytic effect has also been demonstrated *in vivo*.

Rosmarini folium and the essential oil obtained from the plant material are commonly used as flavouring agents in foods. *Rosmarini folium* is listed by the Council of Europe as a source of natural food flavouring (category N2). This category indicates that *Rosmarini folium* can be added to foodstuffs in small quantities, with a possible limitation of an active principle (as yet unspecified) in the final product.

Rosmarini folium is a normal component of the feed for sheep and goats in Mediterranean countries.

Conclusions and recommendation

Having considered the criteria laid down by the Committee for inclusion of substances in Annex II of Council Regulation (EEC) No 2377/90 and in particular that

- *Rosmarini folium* is a normal component of human food,
- *Rosmarini folium* is used infrequently and for treatment of individual animals;
- *Rosmarini folium* is a normal component of the feed of food producing animals;

the Committee concludes that there is no need to establish maximum residue limits for *Rosmarini folium* and recommends its inclusion in Annex II to Council Regulation (EEC) No 2377/90 in accordance with the following table:

Pharmacologically active substance(s)	Animal species	Other provisions
<i>Rosmarini folium</i>	All food producing species	