



ARDEN GRANGE

herbs for health

ROSEMARY EXTRACT

WHY IS IT USED?

Rosemary (*Rosmarinus officinalis*) extract is included in the Arden Grange recipes primarily as an antioxidant in order to naturally stabilise the fat components of the diets, but it has also been identified as a source of phytochemicals with a number of benefits :-

BENEFITS...

Studies have shown that rosemary extract has **anti-microbial properties** which help to protect our recipes from food-borne pathogens and spoilage bacteria.

Rosemary extract also has **anti-carcinogenic properties**. The carnisol found in rosemary has been demonstrated to inhibit the development of mammary and skin tumours.

Rosemary acts as a **muscle relaxant** and may help to alleviate gastrointestinal discomfort.

Rosemary also has **cognition-improving properties** and contains bioactive ingredients that help prevent the breakdown of the chemical acetylcholine in the brain. A deficiency in acetylcholine is believed to be a contributing factor to senility.

Rosemary also has the potential to **influence and lower blood glucose levels**.

As well as acting as a very effective **natural preservative** (in conjunction with vitamin E), rosemary's **antioxidant properties** also help to protect the body from free radicals, and may help increase the activity of detoxification enzymes.

For those of you who research and read about pet food ingredients, you may well be aware of the possible link between the ingestion of rosemary and reproductive disorders in humans. In large quantities, it has been claimed that rosemary oil can cause intestinal irritation and cramping, thus representing a possible risk during pregnancy.

We are pleased to report that the concentration of rosemary used in our pet foods is well below any possible risk threshold.

In addition, the extraction technique is quite different to that used when preparing essential oils (from which the concerns arose).

Fresh rosemary leaves contain a much higher proportion of the active components, and no human (or animal) has so far shown reproductive failures, even in the Mediterranean where herbs such as rosemary are used in the kitchen at high levels.

Concerns have also been expressed regarding rosemary extract and epilepsy. Rosemary extract used for preserving pet foods is "deodorised" which means the camphor - which is the ingredient which epileptic people and animals should avoid - is removed. Also, because it is combined with Vitamin E, the inclusion level is considerable less than the 50 ppm rate allowed. Therefore rosemary extract within our food should be perfectly safe for epileptic cats and dogs.

We would like to reassure all our customers that Arden Grange are committed to the provision of the best possible nutrition. The Arden Grange product range incorporates the current knowledge and understanding concerning the prevention of metabolic conditions, and in particular those that are nutritionally responsive.

Reference: Biological Effects of Rosemary (*Rosmarinus officinalis* L.)
Faixova Z, Faix S. (Folia Veterinaria. 52. 3-4: 135-139. 2008.

For more information, please contact:
Leander International Pet Foods Ltd
Arden Grange
London Road
Albourne
West Sussex
BN6 9BJ

Tel: 01273 833390
Fax: 01273 833612
Email: enquiries@ardengrange.com
Website: www.ardengrange.com

