



# PAW BY BLACKMORES DERMEGA® OMEGA 3 & 6 ORAL SUPPLEMENT

Dermega® is an omega 3 & 6 oral supplement which is added directly onto the food and is specifically designed to support skin health in dogs. Containing omega fatty acids, Dermega® may aid in the treatment of allergic and inflammatory dermatological conditions that are responsive to polyunsaturated fatty acids.



## BENEFITS:

- ✔ Contains **Omega 3 & 6 fatty acids** to aid in the treatment of allergic &/or inflamed skin conditions.
- ✔ Includes an **innovative non drip, measured dose pump** so Dermega® can be added to food easily with no mess.

## WHEN TO RECOMMEND:

- ✔ Treatment of allergic & inflammatory skin conditions.
- ✔ As adjunctive, long term management for dogs with dry, itchy or flaky skin.
- ✔ For dogs with normal skin to maintain a healthy shiny coat.

## Contains:

| Active Ingredients/1mL (1 pump = 0.5mL)                    | Amount |
|--|--------|
| Eicosapentaenoic acid (EPA):                               | 85mg   |
| Docosahexaenoic acid (DHA):                                | 59mg   |
| Alpha- linolenic acid (ALA):                               | 120mg  |
| Linoleic acid (LA):<br>Sourced from fish oil & linseed oil | 38mg   |

**Size:** 200ml pump bottle

**Dosage:** 1ml (2 pumps) per 7kg body weight.

**Application:** Pump directly onto dog's food once daily.

## EDUCATION



### Essential fatty acids

Omega-3 and omega-6 fatty acids are considered essential components of the diet for dogs because they lack the enzyme to create the double bond in the omega 3 and omega 6 positions.<sup>1</sup> Within the skin, essential fatty acids (EFAs) are incorporated into keratinocytes in the granular layer and extruded in the stratum granulosum as intercellular lipids.<sup>2</sup> The most important EFAs involved in cutaneous homeostasis in the dog are linoleic acid (LA) and alpha-linolenic acid (ALA).<sup>2</sup> LA is incorporated into ceramides in the stratum corneum, and small amounts of ALA are converted to EPA and DHA. EPA and DHA are beneficial for their anti-inflammatory properties<sup>3</sup>, and can be obtained through supplementation with fish oil, or through conversion from ALA from plant oils.

Dietary supplementation with EFAs usually results in improvement of coat quality and gloss with an associated reduction of transepidermal water loss (TEWL).<sup>2</sup>

### Warnings/prescribing information

- If used in the treatment of flea-allergy dermatitis, flea control measures should also be used.
- Store below 25° (air conditioning).
- Protect from light and store in a dry place.
- Please read the label and follow the directions for use.

### REFERENCES:

**1** Beitz DC. et al., 2006. Fat and Fatty Acids. Nutrient Requirements of Dogs and Cats. Washington: The National Academies Press, pp. 81-110. **2** Miller W., Griffin C., & Campbell K. 2013. Muller & Kirk's Small Animal Dermatology. Missouri: Elsevier Mosby. **3** Outerbridge CA. 2012. Nutritional Management of Skin Diseases. Applied Veterinary Clinical Nutrition. West Sussex: Wiley-Blackwell, pp. 158-159.