

Evaluation Report for Category B, Subcategory 3.11 Application

Application Number: 2017-3126
Application: B.3.11
Product: Zodiac Powerspot with Smart Shield Flea & Tick Control for Dogs Under 14 kg (30 lbs)
Registration Number: 31367
Active ingredients (a.i.): 45% permethrin, 2.9% (s)-methoprene
PMRA Document Number : 2828912

Background

Zodiac Powerspot with Smart Shield Flea & Tick Control for Dogs Under 14 kg (30 lbs) (Reg. No. 31367) is a spot-on dog product which is formulated with 45% permethrin and 2.9% (s)-methoprene. This product is registered with a claim to kill fleas (eggs, larvae, and adults) and ticks on dogs. The product is for use only on dogs over 6 months of age and under 14 kg in size. The product is applied at a rate of 1 ml product per dog with a reapplication interval of one month (4 weeks).

Permethrin is a pyrethroid insecticide which kills on contact by acting on the nervous system of insects. S-methoprene is an insect growth regulator that prevents the development of flea eggs and larvae into adult fleas.

Purpose of Application

The purpose of this application is to add a claim of kills mosquitoes to the label of Zodiac Powerspot with Smart Shield Flea & Tick Control for Dogs Under 14 kg (30 lbs).

Chemistry Assessment

Not required.

Health Assessments

Not required.

Environmental Assessment

Not required.

Value Assessment

Three trials on dogs were reviewed in support of the addition of a claim against mosquitoes to the Zodiac Powerspot with Smart Shield Flea & Tick Control for Dogs Under 14 kg (30 lbs). The submitted value information was sufficient to support a claim that Zodiac Powerspot with Smart Shield Flea & Tick Control for Dogs Under 14 kg (30 lbs) will kill mosquitoes for up to one month when applied to dogs

according to the labelled application rate (1 ml product for dogs over 6 months of age and under 14 kg).

Conclusion

The submitted information was sufficient to support a claim that Zodiac Powerspot with Smart Shield Flea & Tick Control for Dogs Under 14 kg (30 lbs) will kill mosquitoes on dogs for up to one month when applied as a spot-on at a rate of 1 ml to dogs over 6 months of age and under 14 kg in size

References

- 2776892** 2017. Value Summary for Zodiac Powerspot and Vet-Kem Ovispot Topical Insecticide for Control of Mosquitoes. DACO 10.1, 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.2(C), 10.3.1, 10.4, 10.5
- 2776893** 2016. Efficacy of Zodiac Powerspot Flea & Tick Control for Dogs against 3 species of mosquitoes. DACO 10.2.3.2(C)
- 2776894** 1997. Efficacy of a Permethrin and Pyriproxyfen Product for Control of Fleas, Ticks and Mosquitoes on Dogs. DACO 10.2.3.2(C)
- 2776895** 1994. Efficacy evaluation of "ECTa flea and tick insecticide with IGR" for fleas, ticks and mosquitoes on dogs. DACO 10.2.3.2(C)

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