Efficacy Review

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Petition or Exp. Permit No. 

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Type Product(s): (I,) D, H, F, N, R, S 

Data Accession No(s). 426773-01; D189078; S436574; Case #047813; AC: 305

Product Mgr. No. 19-Edwards/Johnson

Product Name(s) Preventic Tick Collar for Dogs

Company Name VIRBAC, Incorporated

Submission Purpose Provide performance data demonstrating need for reducing 4-month effectiveness claim to 3 months based on release rate data for new plasticizer.

Chemical & Formulation Amitraz: N'-(2,4-dimethylphenyl)-N-[[(2,4-dimethylphenyl)imino]methyl]-N-methylmethanimidamide 9.0% (0.97 oz. net weight, impregnated material)

Conclusions & Recommendations The data presented in EPA Accession (MRID) Number 426773-01, having been taken from a standard field test simulating actual use and meeting the requirements of § 95-30 subpart (b)(11)1.-10. on pp. 280-84 and the standard of § 95-9(b) subpart (2)(i) on p. 264 of the Product Performance Guidelines, are adequate to support a claim for killing brown dog tick, Rhipicephalus sanguineus, and American dog tick, Dermacentor variabilis, for up to 3 months rather than the present label claim of 4 months when the subject collar is worn continuously by dogs up to 25 inches in neck size. This reduced claim was necessitated by the release rate characteristics of the plasticizer which was substituted for the former plasticizer which was on List A of Inert Ingredients of Concern previously issued by the Agency. It has been determined that the new plasticizer system releases amitraz at a rate about 25% faster than the former plasticizer, resulting in earlier depletion of the active ingredient level required for satisfactory tick kill.

RL Vern L. McFarland, IRB