

Evaluation Report for Category B, Subcategory 4.6 Application

Application Number: 2016-0852
Application: B.4.6 - Address Data Requirement for Product with Full Registration
Product: Fenpyroximate Technical
Registration Number: 32244
Active ingredients (a.i.): Fenpyroximate
PMRA Document Number: 2691597

Purpose of Application

The purpose of this application was to provide an updated storage stability study to complete the chemistry data package for this product.

Chemistry Assessment

Common Name: Fenpyroximate
IUPAC* Chemical Name: *tert*-butyl (*E*)- α -(1,3-dimethyl-5-phenoxy-pyrazol-4-ylmethyleneaminoxy)-*p*-toluate
CAS† Chemical Name: 1,1-dimethylethyl 4-[[[(*E*)-[(1,3-dimethyl-5-phenoxy-1*H*-pyrazol-4-yl)methylene]amino]oxy]methyl]benzoate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Fenpyroximate Technical has the following properties:

Property	Result
Colour and physical state	pale yellow solid
Nominal concentration	99.5 % nominal
Odour	no distinctive odour
Density	1.237 – 1.257 g/cm ³
Vapour pressure	7.5 x 10 ⁻⁶ Pa (at 25°C)
pH	5.63 – 6.10
Solubility in water	<u>pH</u>
	5
	7
	9
	<u>Solubility (ppb)</u>
	21.4
	23.1
	29.8
n-Octanol/water partition coefficient	log K _{ow} 5.01

The required chemistry data for Fenpyroximate Technical have been provided, reviewed, and found to be acceptable.

Health, Environmental and Value Assessments

Health, environmental and value assessments were not required for this application.

Conclusion

PMRA has reviewed the data submitted to support the Fenpyroximate Technical. Based on the results of this review, the data was determined to be acceptable and the product is acceptable for full registration.

References

- 2607945 2015, Fenpyroximate Technical: Physical and Chemical Characteristics: Stability to Normal and Elevated Temperature - Metals and Metal Ions, DACO: 2.14.13

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