

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2018-2505
Application: Submissions subject to Protection of Proprietary Interests in Pesticide Data policy-Equivalency/Data Compensation Assessment
Product: Zhongshan Pyraclostrobin Technical
Registration Number: 33559
Active ingredient (a.i.): Pyraclostrobin
PMRA Document Number : 2986243

Purpose of Application

The purpose of this application was to register a new source of technical grade pyraclostrobin based on a registered precedent.

Chemistry Assessment

Common Name: pyraclostrobin
IUPAC* Chemical Name: methyl 2-[1-(4-chlorophenyl)-1*H*-pyrazol-3-ylloxymethyl]-*N*-methoxycarbamate
CAS† Chemical Name: methyl *N*-[2-[[[1-(4-chlorophenyl)-1*H*-pyrazol-3-yl]oxy]methyl]phenyl]-*N*-methoxycarbamate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Zhongshan Pyraclostrobin Technical has the following properties:

Property	Result
Colour and physical state	Beige solid
Nominal concentration	98.6%
Odour	Characteristic odour
Specific gravity	1.378 at 20°C
Vapour pressure	2.52 x 10 ⁻⁵ mPa at 25°C
pH	7.64 (1% aqueous solution)
Solubility in water	1.89 mg/L at 20°C
n-Octanol/water partition coefficient	log K _{ow} = 3.660

The required chemistry data for Zhongshan Pyraclostrobin 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

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found it sufficient to register Zhongshan Pyraclostrobin Technical.

References

PMRA Document Number	Reference
2893504	2018, Technical Grade Active ingredient chemistry, DACO: 2.0 CBI
2893505	2018, 2.1-2.9 Chemistry requirements, DACO: 2.1,2.2,2.3,2.3.1,2.4,2.5,2.6, 2.7,2.8,2.9 CBI
2893506	2017, Manufacturing process of Pyraclostrobin technical, DACO: 2.11,2.11.1, 2.11.2,2.11.3,2.11.4 CBI
2893507	2018, Specification of Pyraclostrobin technical, DACO: 2.12,2.12.1 CBI
2893508	2017, Qualitative and Quantitative Profile of the test substance Pyraclostrobin Technical (Five Batch Analysis), DACO: 2.13,2.13.1,2.13.2,2.13.3,2.13.4 CBI
2893509	2018, Qualitative and Quantitative Profile of the test substance Pyraclostrobin Technical (Five Batch Analysis), DACO: 2.13,2.13.1,2.13.2,2.13.3,2.13.4 CBI
2893510	2016, Qualitative and Quantitative Profile of the test substance Pyraclostrobin Technical (Five Batch Analysis), DACO: 2.13,2.13.1,2.13.2,2.13.3,2.13.4 CBI
2893511	2017, Physical State, Appearance, Color, and Odor of Pyraclostrobin Technical, DACO: 2.14.1,2.14.2,2.14.3 CBI
2893512	2017, Dissociation Constant in Water of Pyraclostrobin Technical, DACO: 2.14.10 CBI
2893513	2016, Partition coefficient (n-octanol / water) of Pyraclostrobin Technical, DACO: 2.14.11 CBI
2893514	2017, UV-VIS Absorption Spectra of Pyraclostrobin Technical, DACO: 2.14.12 CBI
2893515	2017, Stability of Pyraclostrobin Technical to Normal and Elevated Temperatures, Metals and Metal Ions, DACO: 2.14.13 CBI
2893516	2017, Accelerated Storage Stability and Corrosion Characteristics of Pyraclostrobin Technical, DACO: 2.14.14 CBI
2893517	2017, Determination of the pH value of an aqueous solution of Pyraclostrobin Technical, DACO: 2.14.15, 830.7000 CBI
2893518	2016, Melting point and range of Pyraclostrobin Technical, DACO: 2.14.4 CBI
2893519	2017, Determination of the Relative Density of Pyraclostrobin Technical, DACO: 2.14.6 CBI
2893520	2016, Solubility in water and organic solvents (Acetone and n-hexane) of Pyraclostrobin Technical, DACO: 2.14.7, 2.14.8 CBI
2893521	2016, Vapor pressure of Pyraclostrobin Technical, DACO: 2.14.9 CBI
2893522	2016, Purity of Pyraclostrobin Technical and Analytical Method Validation for active ingredient content Pyraclostrobin, DACO: 2.16 CBI
2984233	2016, Qualitative and Quantitative Profile of the test substance Pyraclostrobin

Technical (Five Batch Analysis), DACO: 2.13.3

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