

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2023-0665
Application: Submission Subject to the Protection of Proprietary Interests in Pesticide Data (PPIP) Policy - Equivalency/Data Compensation Assessment
Product: Zhongshan Azoxystrobin Technical
Registration Number: 35129
Active ingredient (a.i.): Azoxystrobin
PMRA Document Number : 3546076

Purpose of Application

The purpose of this application was to register a new source of azoxystrobin, Zhongshan Azoxystrobin Technical, based on a registered precedent product.

Chemistry Assessment

Common Name: Azoxystrobin
IUPAC* Chemical Name: methyl (2*E*)-2-(2-{{6-(2-cyanophenoxy)pyrimidin-4-yl}oxy}phenyl)-3-methoxyprop-2-enoate
CAS† Chemical Name: methyl (α *E*)-2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy]- α -(methoxymethylene)benzeneacetate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Zhongshan Azoxystrobin Technical has the following properties:

Property	Result
Colour and physical state	Beige solid
Nominal concentration	98.4%
Odour	Characteristic odour
Density	1.3 – 1.4 g/mL at 20°C
Vapour pressure	2.76×10^{-7} mPa at 25°C (extrapolated)
pH	7.3
Solubility in water	8 mg/L (pH 8)
n-Octanol/water partition coefficient	$\log K_{ow} = 1.698$

The required chemistry data for Zhongshan Azoxystrobin 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 the information acceptable to support the registration of Zhongshan Azoxystrobin Technical.

References

PMRA Document Number	Reference
3437897	2019, Manufacturing Process of Azoxystrobin Technical Grade Active Substance, DACO: 2.11, 2.11.1, 2.11.2, 2.11.3, 2.11.4 CBI
3437898	2016, Qualitative and Quantitative Profile of the test substance Azoxystrobin Technical (Five Batch Analysis), DACO: 2.13, 2.13.1, 2.13.2, 2.13.3, 2.13.4 CBI
3437899	2017, Physical State, Appearance, Color, and Odor of Azoxystrobin Technical, DACO: 2.14.1, 2.14.2, 2.14.3
3437900	2017, Dissociation constant in water of Azoxystrobin Technical, DACO: 2.14.10
3437901	2016, Partition coefficient (n-octanol / water) Azoxystrobin Technical, DACO: 2.14.11
3437902	2017, UV-VIS Absorption Spectra of Azoxystrobin Technical, DACO: 2.14.12
3437903	2017, Stability of Azoxystrobin Technical to Normal and Elevated Temperatures, Metals and Metal Ions, DACO: 2.14.13
3437904	2023, Accelerated Storage Stability and Corrosion Characteristics of Azoxystrobin Technical, DACO: 2.14.14
3437905	2017, Accelerated Storage Stability and Corrosion Characteristics of Azoxystrobin Technical, DACO: 2.14.14
3437906	2017, Determination of the pH value of an aqueous solution of Azoxystrobin Technical, DACO: 2.14.15, 830.7000
3437907	2016, Melting point and range of Azoxystrobin Technical, DACO: 2.14.4
3437908	2017, Determination of the Relative Density of Azoxystrobin Technical, DACO: 2.14.6
3437909	2016, Solubility in water and organic solvents (N-hexane and acetone) of Azoxystrobin Technical, DACO: 2.14.7, 2.14.8
3437910	2016, Vapor pressure of Azoxystrobin Technical, DACO: 2.14.9

PMRA Document Number	Reference
3437911	2023, Zhongshan Azoxystrobin Technical Physical and Chemical Property Waiver Requests, DACO: 2.14.16, 2.14.5
3452317	2023, Batch Data, DACO: 2.13.3, 2.13.4 CBI
3452318	2017, Qualitative and Quantitative Profile of the test substance Azoxystrobin Technical (Five Batch Analysis), DACO: 2.13 CBI

© His Majesty the King in Right of Canada, as represented by the Minister of Health Canada, 2024

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of Health Canada, Ottawa, Ontario K1A 0K9.