

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2019-6584
Application: Submission Subject to *Protection of Proprietary Interests in Pesticide Data Policy*- Equivalency/Data Compensation Assessment
Product: CAC Azoxystrobin Technical
Registration Number: 34205
Active ingredient (a.i.): Azoxystrobin
PMRA Document Number: 3146226

Purpose of Application

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

Chemistry Assessment

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

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

CAC Azoxystrobin Technical has the following properties:

Property	Result
Colour and physical state	Light yellow solid
Nominal concentration	98.53%
Odour	Odourless
Density	1.27 g/mL
Vapour pressure	5.96×10^{-7} mPa at 25°C
pH	7.2
Solubility in water	6.566 mg/L at 20°C (pH 8.06)

Property	Result
n-Octanol/water partition coefficient	Log K _{ow} = 2.56

The required chemistry data for CAC 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 sufficient to support the registration of CAC Azoxystrobin Technical.

References

PMRA Document Number	References
3058708	2019, Chemistry Information and Manufacturing Method_CAC Azoxystrobin Tech_23Nov2019, DACO: 2.1,2.11,2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.2,2.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI
3058709	2016, Preliminary Analysis, Enforcement Analytical Method & 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 CBI
3058710	2014, Physical And Chemical Properties of Azoxystrobin Technical, DACO: 2.14.1,2.14.10,2.14.11,2.14.12,2.14.13,2.14.14,2.14.15,2.14.2,2.14.3,2.14.4,2.14.6,830.7000 CBI
3058711	2016, Solubility in water and organic solvents of Azoxystrobin Technical, DACO: 2.14.7,2.14.8 CBI
3058712	2016, Vapor Pressure of AZOXYSTROBIN TECHNICAL, DACO: 2.14.9 CBI
3143620	2020, 20200824-Response to PMRAs requested clarification to CAC Azoxystrobin Technical, DACO: 2.13.4 CBI

© Her Majesty the Queen in Right of Canada, as represented by the Minister of Health Canada, 2021

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.