

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2022-3278
Application: Application Subject to Protection of Proprietary Interests in Pesticide Data (PIIP) Policy – Equivalency/Data Compensation Assessment
Product: Wynca Chlorantraniliprole Technical
Registration Number: 35003
Active ingredient (a.i.): Chlorantraniliprole
PMRA Document Number: 3495062

Purpose of Application

The purpose of this application was to register Wynca Chlorantraniliprole Technical, a new source of the technical grade active ingredient, chlorantraniliprole, based on a registered precedent product.

Chemistry Assessment

Common Name: chlorantraniliprole
IUPAC* Chemical Name: 3-bromo-4'-chloro-1-(3-chloro-2-pyridyl)-2'-methyl-6'-(methylcarbamoyl)-1*H*-pyrazole-5-carboxanilide
CAS† Chemical Name: 3-bromo-*N*-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1*H*-pyrazole-5-carboxamide

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Wynca Chlorantraniliprole Technical has the following properties:

Property	Result
Colour and physical state	beige solid
Nominal concentration	97.53%
Odour	characteristic odour
Density	1.62 g/mL at 20°C
Vapour pressure	4.068×10^{-12} Pa at 20°C
pH	4.52
Solubility in water	1.51 mg/L (pH 6.60, 20-25°C)

Property	Result
n-Octanol/water partition coefficient	$\log K_{ow} = 2.406$

The required chemistry data for Wynca Chlorantraniliprole 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 Wynca Chlorantraniliprole Technical.

References

PMRA Document Number	Reference
3372798	2022, Manufacturing process of Wynca Chlorantraniliprole technical, DACO: 2.11.1,2.11.3,2.11.4 CBI
3372799	2020, Physical state color and odour, DACO: 2.14.1,2.14.2,2.14.3
3372800	2020, Partition Coefficient, DACO: 2.14.11
3372801	2021, UV visible absorption spectra, DACO: 2.14.12
3372802	2020, Stability, DACO: 2.14.13
3372803	2020, Storage stability, DACO: 2.14.14
3372804	2021, Amendment of storage stability, DACO: 2.14.14
3372805	2021, PH, DACO: 2.14.15,830.7000
3372806	2020, Melting point, DACO: 2.14.4
3372807	2020, Density, DACO: 2.14.6
3372808	2020, Solubility in water and solvent, DACO: 2.14.7,2.14.8
3372809	2020, Vapor pressure, DACO: 2.14.9
3372821	2020, 5 batch data of Wynca Chlorantraniliprole technical, DACO: 2.13.2,2.13.3 CBI
3372822	2020, 5 batch data of Wynca Chlorantraniliprole Technical, DACO: 2.13.2,2.13.3 CBI
3372823	2020, methodology and validation, DACO: 2.13.1
3432071	2023, updated manufacturing process of Wynca Chlorantraniliprole TC, DACO: 2.11.3 CBI

© His Majesty the King in Right of Canada, as represented by the Minister of Health Canada, 2023

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.