

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2022-3078
Application: Submission subject to the Protection of Proprietary Interests in Pesticide Data (PIIP) policy - Equivalency/Data Compensation Assessment
Product: Wynca Quizalofop P-ethyl Technical
Registration Number: 34910
Active ingredient (a.i.): Quizalofop-P-ethyl
PMRA Document Number: 3455021

Purpose of Application

The purpose of this application was to register a new source of technical-grade quizalofop-P-ethyl based on a registered precedent product.

Chemistry Assessment

Common Name: Quizalofop-P-ethyl
IUPAC* Chemical Name: ethyl (2*R*)-2-{4-[(6-chloroquinoxalin-2-yl)oxy]phenoxy}propionate
CAS† Chemical Name: ethyl (2*R*)-2-[4-[(6-chloro-2-quinoxalinyloxy]phenoxy]propanoate

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Wynca Quizalofop P-ethyl Technical has the following properties:

Property	Result
Colour and physical state	Off-white powder
Nominal concentration	98.54%
Odour	Odourless
Density	1.358 – 1.362 g/mL at 20°C
Vapour pressure	2.36×10^{-2} mPa at 25.0°C
pH	6.14
Solubility in water	0.8805 mg/L

Property	Result
n-Octanol/water partition coefficient	$\log K_{ow} = 4.65$

The required chemistry data for Wynca Quizalofop P-ethyl Technical have been provided, reviewed, and found to be acceptable.

Health, Environment and Value Assessments

Health, environment 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 Quizalofop P-ethyl Technical.

References

PMRA

Document

Number	Reference
3369878	2022, Manufacturing process of Wynca Quizalofop technical, DACO: 2.11.1, 2.11.3, 2.11.4 CBI
3369879	2018, 5 batch data of Wynca Quizalofop p-ethyl technical, DACO: 2.13.3 CBI
3369888	2022, Active Ingredient contents, DACO: 2.16 CBI
3369889	2022, Partition Coefficient, DACO: 2.14.11
3369890	2022, Dissociation constant, DACO: 2.14.10
3369904	2019, Physical and chemical reports of Wynca Quizalofop p-ethyl Technical, DACO: 2.14.1, 2.14.13, 2.14.14, 2.14.15, 2.14.2, 2.14.3, 2.14.4, 2.14.6, 2.14.7, 2.14.8, 2.14.9, 830.7000
3451927	2023, Updated manufacturing process, DACO: 2.11.3 CBI

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