

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2022-3017
Application: Submissions subject to Protection of Proprietary Interests in Pesticide Data policy-Equivalency/Data Compensation Assessment
Product: Wynca S-Metolachlor Technical
Registration Number: 34971
Active ingredient (a.i.): S-metolachlor and R-enantiomer
PMRA Document Number: 3483654

Purpose of Application

The purpose of this application was to register Wynca S-Metolachlor Technical, a new technical-grade product containing S-metolachlor and R-enantiomer, based on a registered precedent product.

Chemistry Assessment

Common Name: S-Metolachlor and R-enantiomer
IUPAC* Chemical Name: reaction mixture of 80–100% 2-chloro-2'-ethyl-*N*-[(1*S*)-2-methoxy-1-methylethyl]-6'-methylacetanilide and 20–0% 2-chloro-2'-ethyl-*N*-[(1*R*)-2-methoxy-1-methylethyl]-6'-methylacetanilide
CAS† Chemical Name: 2-chloro-*N*-(2-ethyl-6-methylphenyl)-*N*-[(1*S*)-2-methoxy-1-methylethyl]acetamide

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Wynca S-Metolachlor Technical has the following properties:

Property	Result
Colour and physical state	Orange-brown liquid
Nominal concentration	98.1%
Odour	Odourless
Density	1.115 g/mL (20–25 °C)
Vapour pressure	16.90 mPa (20 °C) 28.43 mPa (25 °C)
pH	5.61 (20.7 °C)

Property	Result
Solubility in water	583.5 mg/L (pH 6.1, 20 °C)
n-Octanol/water partition coefficient	log K _{ow} = 3.05 (pH 7)

The required chemistry data for Wynca S-Metolachlor 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 S-Metolachlor Technical.

References

PMRA

Document

Number	Reference
3368423	2014, Preliminary analysis of Wynca S-metolachlor, DACO: 2.13.1 CBI
3368424	2014, Batch data of Wynca S-metolachlor, DACO: 2.11.4,2.13.3 CBI
3368425	2014, Physical and chemical report of Wynca S-metolachlor, DACO: 2.14.11, 2.14.5, 2.14.7, 2.14.8, 2.14.9
3368426	2014, Physical and chemical reports, DACO: 2.14.1,2.14.10,2.14.12,2.14.13,2.14.14,2.14.15,2.14.2,2.14.3,2.14.6
3425324	2014, Validation of analytical methodology, DACO: 2.13.1
3425325	2014, Validation of analytical methodology, DACO: 2.13.1
3474863	2023, Updated manufacturing process, DACO: 2.11.3 CBI

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