

Evaluation Report for Category B, Subcategory 1.2 Application

Application Number: 2010-2598
Application: New Source of Technical Grade Active Ingredient by a New Registrant
Product: Cheminova Clodinafop-propargyl Technical Herbicide
Registration Number: 30083
Active ingredients (a.i.): Clodinafop-propargyl
PMRA Document Number (English PDF): 2026369

Background

Chemical equivalence of the new source of clodinafop-propargyl was determined using Clodinafop-propargyl Technical Herbicide (Registration Number 24066).

Purpose of Application

The purpose of this application was to register a new source of the active ingredient, clodinafop-propargyl, by a new Registrant.

Chemistry Assessment

Common Name: Clodinafop-propargyl
 Chemical Name: prop-2-ynyl (*R*)-2-[4-(5-chloro-3-fluoro-2-pyridyloxy)phenoxy]propionate
 OR
 2-propynyl (*2R*)-2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]propanoate

Cheminova Clodinafop-propargyl Technical Herbicide has the following properties:

Property	Result
Colour and physical state	Colourless solid (crystal)
Nominal concentration	Clodinafop-propargyl at 99.00%
Odour	Odourless
Specific gravity	1.37
Solubility in water	4.0 mg/L (pH 7)
n-Octanol/water partition coefficient	K_{ow} logP= 3.9 (25°C)

The chemistry requirements for Cheminova Clodinafop-propargyl Technical Herbicide have been completed.

Health and Environmental Assessment

The health and environmental risk profiles of Cheminova Clodinafop-propargyl Technical Herbicide are expected to be similar to that of the source used to determine chemical equivalence. As a result, no additional assessments were required for this application.

Value Assessment

A value assessment is not required for technical grade active ingredient products.

Conclusion

The PMRA has completed an evaluation of the subject application and has determined that it can support the registration of Cheminova Clodinafop-propargyl Technical Herbicide.

References

PMRA No. Title

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1915167	Process flow -stage 1, DACO: 2.11, 2.11.1 CBI
1915168	Process flow - stage 2, DACO: 2.11, 2.11.1 CBI
1915180	Impurities, DACO: 2.11.4 CBI
1915181	Analytical method, DACO: 2.13, 2.13.1 CBI
1915182	Validation of analytical method, DACO: 2.13, 2.13.1 CBI
1915183	Analytical method, DACO: 2.13, 2.13.1 CBI
1915184	Validation of analytical method, DACO: 2.13, 2.13.1 CBI
1915185	Analytical method, DACO: 2.13, 2.13.1 CBI
1915186	Validation of analytical method, DACO: 2.13, 2.13.1 CBI
1915187	Report amendment 1, DACO: 2.13, 2.13.1 CBI
1915188	Analytical method, DACO: 2.13, 2.13.1 CBI
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- 1915192 Validation of analytical method, DACO: 2.13, 2.13.1 CBI
- 1915193 vam 022-02, version 1 is changed to vam 022-02, version 2, DACO: 2.13, 2.13.1 CBI
- 1915194 Extension of the analytical method, DACO: 2.13, 2.13.1 CBI
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- 1915198 Amendement 4, DACO: 2.13,2.13.1 CBI
- 1915199 Preliminary analytical method pam 47, DACO: 2.13, 2.13.1 CBI
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- 1915201 Identification and determination of active ingredient, DACO: 2.13.2, 2.13.3 CBI
- 1915202 Safety data sheet, DACO: 2.14, 2.14.1, 2.14.10, 2.14.11, 2.14.12, 2.14.13, 2.14.2, 2.14.3, 2.14.4, 2.14.5, 2.14.6, 2.14.7, 2.14.8, 2.14.9 CBI
- 2017811 Cheminova response to clarification request, DACO: 2.13.1, 2.13.3, 2.15 CBI

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