

Evaluation Report for Category B, Subcategory 4.6 Application

Application Number: 2023-1318
Application: Fulfill conditions of registration
Product: PTB360 Selective Herbicide Technical
Registration Number: 32509
Active ingredient (a.i.): 4-chloroindole-3-acetic acid
PMRA Document Number: 3612909

Purpose of Application

The purpose of this application was to fulfill the Section 12 post-market requirements for commercial-scale batch data for PTB360 Selective Herbicide Technical.

Chemistry Assessment

Common Name: 4-chloroindole-3-acetic acid
IUPAC* Chemical Name: (4-chloro-1*H*-indol-3-yl)acetic acid
CAS† Chemical Name: 1*H*-indole-3-acetic acid, 4-chloro-

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

PTB360 Selective Herbicide Technical has the following properties:

Property	Result
Colour and physical state	Beige to light brown solid
Nominal concentration	99.3%
Odour	Odourless
Density	0.75 g/cm ³
Vapour pressure	0.19 mPa
pH	3.71
Solubility in water	3.97 g/L
n-Octanol/water partition coefficient	log K _{ow} = 2.13

The required chemistry data for PTB360 Selective Herbicide 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 fulfill the post-market chemistry data requirements for PTB360 Selective Herbicide Technical.

References

PMRA Document Number	Reference
3450497	2017, HPLC Method for the Identification, Assay, Purity and Determination of Impurities of PTB-360, DACO: 2.13.1 CBI
3450498	2023, Identification, Assay, Purity and Determination [CBI Removed] DACO: 2.13.3 CBI
3450499	2023, Chromatographic Report [CBI Removed], DACO: 2.13.3 CBI
3450500	2023, Raw data [CBI Removed], DACO: 2.13.3 CBI
3597981	2024, GMP Compliant Statement, DACO: 2.13.3 CBI

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