

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2023-0555
Application: Application Subject to Protection of Proprietary Interests in Pesticide Data (PIIP) Policy – Equivalency/Data Compensation Assessment
Product: Lier Chlorantraniliprole Technical
Registration Number: 35214
Active ingredient (a.i.): Chlorantraniliprole
PMRA Document Number: 3581757

Purpose of Application

The purpose of this application was to register Lier Chlorantraniliprole Technical, a new source of 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

Lier Chlorantraniliprole Technical has the following properties:

Property	Result
Colour and physical state	Off-white powder (solid)
Nominal concentration	96.66%
Odour	Odourless
Density	1503 – 1532 g/L at 20°C
Vapour pressure	2.05×10^{-21} mPa at 20°C
pH	5.29 (21.8°C)
Solubility in water	1.20 mg/L (pH 5.90)

Property	Result
n-Octanol/water partition coefficient	$\log K_{ow} = 2.5$

The required chemistry data for Lier 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 Lier Chlorantraniliprole Technical.

References

PMRA

Document

Number

Reference

3435127	2022, Manufacturing process, DACO: 2.11.1,2.11.3,2.11.4 CBI
3435128	2022, Batch data of Lier Chlorantraniliprole Technical, DACO: 2.13.1,2.13.3
3435129	2022, Physical and chemical data, DACO: 2.14.1,2.14.10,2.14.11,2.14.12,2.14.13,2.14.14,2.14.15, 2.14.2,2.14.3,2.14.4,2.14.6,2.14.7,2.14.8,2.14.9,830.7000
3489719	2023, Updated manufacturing process, DACO: 2.11.3 CBI
3489720	2023, Impurities test, DACO: 2.13.4

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