Health Canada Santé Canada

Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2022-1327
Application: Submissions subject to Protection of Proprietary Interests in Pesticide Data Policy – Equivalency/Data Compensation Assessment
Product: Maxunitech Chlorantraniliprole Technical
Registration Number: 34855
Active ingredient (a.i.): Chlorantraniliprole
PMRA Document Number: 3433850

Purpose of Application

The purpose of this application was to register Maxunitech Chlorantraniliprole Technical, a new source of the technical grade active ingredient 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

Maxunitech Chlorantraniliprole Technical has the following properties:

Property	Result
Colour and physical state	White, solid powder
Nominal concentration	Chlorantraniliprole 98.0%
Odour	Odourless
Density	1.51 – 1.55 g/mL at 20°C
Vapour pressure	6.3×10^{-12} Pa (estimated)
pH	5 – 7 (1% solution)

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Property	Result	
Solubility in water	pH	Solubility (mg/L)
	Deionized water	1.023
	4	0.972
	7	0.880
	9	0.971
n-Octanol/water partition coefficient	pH	log K_{ow}
	Distilled water	2.76
	4	2.77
	7	2.86
	9	2.80

The required chemistry data for Maxunitech 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 Maxunitech Chlorantraniliprole Technical.

References

PMRA Document Number	Reference
3336718	2018, pH of Chlorantraniliprole Technical, DACO: 2.14.15 CBI
3336724	2021, Manufacturing Process for Chlorantraniliprole Technical, DACO: 2.11,2.11.1,2.11.2,2.11.3,2.11.4 CBI
3336726	2017, Five Batch Analysis of Chlorantraniliprole Technical, DACO: 2.13,2.13.1,2.13.2,2.13.3,2.13.4 CBI
3336727	2021, Maxunitech Chlorantraniliprole Technical_TGAI Chemistry Summary Information, DACO: 2.1,2.12.1,2.14.10,2.14.11,2.14.12,2.14.13,2.14.14,2.14.4,2.14.5,2.14.7,2.14.8,2.14.9, 2.2,2.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI
3336728	2018, Appearence of Chlorantraniliprole Technical, DACO: 2.14.1,2.14.2,2.14.3 CBI
3336729	2018, Density of Chlorantraniliprole Technical, DACO: 2.14.6 CBI
3383998	2018, G14920 Method Validation and Analysis of Batches for [CBI Removed] in Chlorantraniliprole Technical, DACO: 2.13.4 CBI
3383999	2018, G14919 Method Validation and Analysis of Batches for [CBI Removed] in Chlorantraniliprole Technical, DACO: 2.13.4 CBI