



Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2024-5225
Application: Submission subject to the Protection of Proprietary Interests in Pesticide Data (PPIP) policy - Equivalency/Data Compensation Assessment
Applicant: Jiangsu Agrochem Laboratory Co., Ltd.
Product: JSAL Imazamox Technical
Registration Number: 35864
Active ingredient (a.i.): Imazamox
PMRA Document Number: 3734663

Purpose of Application

The purpose of this application was to register the technical grade active ingredient, JSAL Imazamox Technical, based on a registered precedent product.

Chemistry Assessment

Common Name: Imazamox

IUPAC* Chemical Name: 2-[(4*RS*)-4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl]-5-(methoxymethyl)pyridine-3-carboxylic acid

CAS† Chemical Name: 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1*H*-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

JSAL Imazamox Technical has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	98.59%
Odour	No specific odour
Density	1.32–1.33 g/mL at 20 °C
Vapour pressure	6.3×10^{-8} mPa at 20 °C 2.1×10^{-7} mPa at 25 °C
pH	2.85 at 24.6 °C (1% w/v dilution)

Property	Result
Solubility in water	4.16 g/L (distilled water), 116 g/L (pH 5), >626 g/L (pH 7), >628 g/L (pH 9)
n-Octanol/water partition coefficient	$\log K_{ow} = -0.57$ (pH 5), -2.59 (pH 7), -2.86 (pH 9)

The required chemistry data for JSAL Imazamox 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 JSAL Imazamox Technical.

References

PMRA

Document

Number

Reference

3640972	2024, Manufacturing process, DACO: 2.11.1,2.11.3,2.11.4 CBI
3640981	2015, Batch data, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
3640982	2015, Physical and chemistry properties 1, DACO: 2.14.1,2.14.15, 2.14.2,2.14.3,2.14.6,830.7000
3640983	2015, melting point, DACO: 2.14.4
3640984	2021, Physical and chemical properties 2, DACO: 2.14.10,2.14.11, 2.14.7,2.14.8,2.14.9
3640985	2015, UV visible absorption spectra, DACO: 2.14.12
3640986	2015, Storage stability, DACO: 2.14.13,2.14.14
3731130	2025, Clarification of the starting material, DACO: 2.11.3
3731132	2025, clarification the production scale, DACO: 2.13.3