



Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2022-6616
Application: Application Subject to Protection of Proprietary Interests in Pesticide Data (PPIP) Policy – Equivalency/Data Compensation Assessment
Product: Trustchem Imazamox Technical
Registration Number: 35267
Active ingredient (a.i.): Imazamox
PMRA Document Number: 3601826

Purpose of Application

The purpose of this application was to register Trustchem Imazamox Technical, a new source of imazamox, 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

Trustchem Imazamox Technical has the following properties:

Property	Result
Colour and physical state	White powder
Nominal concentration	98.39 %
Odour	Characteristic
Density	1.3544 g/mL at 20 °C
Vapour pressure	1.02 x 10 ⁻¹⁰ Pa at 25 °C
pH	2 – 4, 1% w/v solution
Solubility in water	4.68 g/L at 20 °C, pH = 2.86

Property	Result
n-Octanol/water partition coefficient	$\log K_{ow} = 0.305$ at pH = 3.24

The required chemistry data for Trustchem 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 Trustchem Imazamox Technical.

References

PMRA

Document

Number	Reference
3420650	2019, batch data amendment 1, DACO: 2.13.2,2.13.3
3420651	2019, batch data amendment 2, DACO: 2.13.2,2.13
3420652	2020, batch data amendment 3, DACO: 2.13.2,2.13.3
3420661	2021, manufacturing process, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
3420662	2018, Batch data of Trustchem imazamox technical, DACO: 2.13.2,2.13.3
3420663	2019, melting point, DACO: 2.14.4
3420664	2019, Physical state, appearance, color and odor, DACO: 2.14.1,2.14.2,2.14.3
3420665	2019, Dissociation constant, DACO: 2.14.10
3420666	2019, Partition Coefficient, DACO: 2.14.11
3420667	2019, UV-VIS absorption spectra, DACO: 2.14.12
3420668	2019, Stability, DACO: 2.14.13
3420670	2019, pH, DACO: 2.14.15,830.7000
3420671	2019, Density, DACO: 2.14.6
3420672	2019, Solubility in water and solvent, DACO: 2.14.7,2.14.8
3420673	2019, Vapour pressure, DACO: 2.14.9
3423310	2019, pH, DACO: 2.14.15,830.7000
3506765	2023, Impurity test of [CBI Removed], DACO: 2.13.4
3591991	2024, Amendment 5 to support the explanation, DACO: 3.12.1

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