



Evaluation Report for Category L, Subcategory 1.1 Application

Application Number: 2021-5010
Application: Submissions subject to the Protection of Proprietary Interests in Pesticide Data (PIIP) policy-Equivalency/Data Compensation Assessment
Product: Parijat Imazamox Technical
Registration Number: 34584
Active ingredient (a.i.): Imazamox
PMRA Document Number: 3353902

Purpose of Application

The purpose of this application was to register Parijat Imazamox Technical, a new technical grade product containing imazamox, based on a registered precedent.

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
1979 Rules:
2-[(*RS*)-4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl]-5-(methoxymethyl)nicotinic acid
CAS† Chemical Name: 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1*H*-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic - (methoxymethyl)-3-pyridinecarboxylic acid

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Parijat Imazamox Technical has the following properties:

Property	Result
Colour and physical state	Milky white, solid
Nominal concentration	99.54 %
Odour	Mild pungent
Density	1.3345 – 1.3405 g/mL at 20 °C
Vapour pressure	1.77 x 10 ⁻³ at 25 °C

Property	Result
pH	2.73 (1% w/v solution)
Solubility in water	659.9317 g/L at pH 7
n-Octanol/water partition coefficient	Log K _{ow} = -2.35

The required chemistry data for Parijat 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 it sufficient to support the registration of Parijat Imazamox Technical.

References

PMRA

Document

Number	Reference
3269249	2021, Manufacturing Method Imazamox Technical, DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.2,2.3,2.3.1,2.4,2.5,2.6,2.7,2.8,2.9 CBI
3269270	2017, Parijat Imazamox Technical G11480_FR (5-Batch Report), DACO: 2.13,2.13.1,2.13.2,2.13.3,2.13.4,2.14.12,2.15 CBI
3269271	2021, Determination of [CBI removed] content in Imazamox Technical, DACO: 2.13.1,2.13.2,2.13.4 CBI
3269272	2017, Parijat Imazamox Technical G13833_FR (Appearance), DACO: 2.14.1,2.14.2,2.14.3 CBI
3269273	2017, Parijat Imazamox Technical G13844_FR (Dissociation Constant), DACO: 2.14.10 CBI
3269274	2017, Parijat Imazamox Technical G13845_FR (Partitional Coefficient), DACO: 2.14.10 CBI
3269275	2017, Parijat Imazamox Technical G13838_FR (pH), DACO: 2.14.15,830.7000 CBI
3269276	2017, Parijat Imazamox Technical G13834_FR (Melting Point), DACO: 2.14.4 CBI
3269277	2017, Parijat Imazamox Technical G13835_FR (Density), DACO: 2.14.6 CBI
3269278	2017, Parijat Imazamox Technical G13837_FR (Water Solubility), DACO: 2.14.7 CBI
3269279	2017, Parijat Imazamox Technical G13843_FR (Solubility in Organic Solvent), DACO: 2.14.8 CBI
3269280	2017, Parijat Imazamox Technical G13836_FR (Vapour Pressure), DACO: 2.14.9 CBI
3269284	2017, Parijat Imazamox Technical G13842_FR (Storage stability to normal & Elevated temp, Metal, metal ions & Corrosivity), DACO: 2.13.1,2.14.13,2.14.14,2.16 CBI

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