

## Evaluation Report for Category B, Subcategory 1.1 Application

**Application Number:** 2020-0308  
**Application:** Changes to TGAI Product Chemistry-New Source (site), same registrant  
**Product:** Adama Imazamox Technical Herbicide  
**Registration Number:** 32750  
**Active ingredient (a.i.):** Imazamox  
**PMRA Document Number:** 3174385

### Purpose of Application

The purpose of this application was to register a new source of Adama Imazamox Technical Herbicide.

### 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

Adama Imazamox Technical Herbicide has the following properties:

Property	Result
Colour and physical state	Off-white solid
Nominal concentration	97.41%
Odour	Odourless
Density	1.39 g/mL
Vapour pressure	<0.013 mPa (at 25 °C)
pH	2–3
Solubility in water	4.16 g/L (deionized), 116 g/L (pH 5), >626 g/L (pH 7), >628 g/L (pH 9)

<b>Property</b>	<b>Result</b>
n-Octanol/water partition coefficient	Log K <sub>ow</sub> = 0.73

The required chemistry data for Adama Imazamox Technical Herbicide 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 register the new source of Adama Imazamox Technical Herbicide.

## References

### PMRA

#### Document

Number	Reference
3082554	2015, Method Validation of Optical Isomers (R and S) in Imazamox Technical, DACO: 2.13.1 CBI
3082555	2017, Development and Validation of Analytical for Content Determination of [CBI REMOVED] in Imazamox Technical, DACO: 2.13.1,2.13.2 CBI
3082556	2013, Imazamox Technical-Five Lots Analysis and Method Validation, DACO: 2.13.1,2.13.2,2.13.3 CBI
3082557	2015, Determination of [CBI REMOVED] in Imazamox Technical, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
3082559	2017, Determination of [CBI REMOVED] in Five Batches of Imazamox Technical, DACO: 2.13.1,2.13.2,2.13.3,2.13.4 CBI
3165467	2018, Dossier according to OECD guidance for industry data submissions on plant protection products and their active substances, Annex IIA-IMAZAMOX, DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.4,2.5,2.6,2.7,2.8,2.9 CBI

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