

Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2022-1911
Application: Changes to Technical Grade Active Ingredient Product Chemistry – New Source (site) Same Registrant
Product: Aceto Imazethapyr Technical
Registration Number: 34430
Active ingredient (a.i.): Imazethapyr
PMRA Document Number: 3495219

Purpose of Application

The purpose of this application was to add a new manufacturing site to Aceto Imazethapyr Technical.

Chemistry Assessment

Common Name: Imazethapyr
 IUPAC* Chemical Name: 5-ethyl-2-[(4*RS*)-4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl]pyridine-3-carboxylic acid
 CAS† Chemical Name: 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1*H*-imidazol-2-yl]-5-ethyl-3-pyridinecarboxylic acid

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Aceto Imazethapyr Technical has the following properties:

Property	Result
Colour and physical state	light grey solid
Nominal concentration	99.5%
Odour	odourless
Density	1.34 g/mL at 20°C
Vapour pressure	<0.013 mPa at 60°C
pH	3.15
Solubility in water	1.4 g/L
n-Octanol/water partition coefficient	1.49 at pH 7

The required chemistry data for Aceto Imazethapyr 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 addition of the manufacturing site to Aceto Imazethapyr Technical.

References

PMRA Document Number	Reference
3352082	2022, Aceto Imazethapyr Technical, Product Chemistry, Group A: Product Identity and Composition, DACO: 2.11.1,2.11.2,2.11.3,2.11.4,2.12.1,2.2 CBI
3352083	2019, Five Batches Analysis of Imazethapyr Technical
3352084	2021, [CBI Removed] Test of Imazethapyr Technical
3352085	2022, Final Report: Identification and Quantifications of Imazethapyr Reference Material, DACO: 2.14.1,2.14.2
3352086	2019, Physico-chemical properties of Imazethapyr Technical, DACO: 2.14.1, 2.14.10, 2.14.11, 2.14.12, 2.14.14, 2.14.15, 2.14.2, 2.14.3, 2.14.4, 2.14.6, 830.7000
3352087	2021, Physico-chemical properties of Imazethapyr Technical, DACO: 2.14.13, 2.14.7, 2.14.8, 2.14.9

© His Majesty the King in Right of Canada, as represented by the Minister of Health Canada, 2023

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of Health Canada, Ottawa, Ontario K1A 0K9.