

## Evaluation Report for Category L, Subcategory 1.1 Application

**Application Number:** 2023-2229  
**Application:** Application subject to the Protection of Proprietary Interests in Pesticide Data Policy-Equivalency/Data Compensation Assessment  
**Applicant:** Liaoning Zhonghui Biotechnology Co., Ltd  
**Product:** Trifloxystrobin Technical  
**Registration Number:** 35266  
**Active ingredient (a.i.):** Trifloxystrobin  
**PMRA Document Number:** 3599365

### Purpose of Application

The purpose of this application was to register a new source of trifloxystrobin based on a precedent product.

### Chemistry Assessment

**Common Name:** Trifloxystrobin  
**English IUPAC\* Chemical Name:** methyl (2*E*)-(methoxyimino)(2-[[[(1*E*)-1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]phenyl)acetate  
**CAS† Chemical Name:** methyl ( $\alpha$ *E*)- $\alpha$ -(methoxyimino)-2-[[[(1*E*)-1-[3-(trifluoromethyl)phenyl]ethylidene]amino]oxy]methyl]benzeneacetate

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Trifloxystrobin Technical has the following properties:

Property	Result
Colour and physical state	Beige solid
Nominal concentration	98.5 %
Odour	Characteristic
Density	1.3349 g/mL at 20 °C
Vapour pressure	7.89 x 10 <sup>-5</sup> mPa at 25 °C
pH	6.04, 1% dilution

<b>Property</b>	<b>Result</b>
Solubility in water	0.253 mg/L at 20 °C
n-Octanol/water partition coefficient	log K <sub>ow</sub> = 4.229

The required chemistry data for Trifloxystrobin 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 Trifloxystrobin Technical.

## References

### PMRA

#### Document

Number	Reference
3469378	2020, 2.13.1 Method Validation and Purity_RF 17976.003.155.22 (I), DACO: 2.13, 2.13.1, 2.13.2 CBI
3469379	2020, 2.13.3 Batch Analysis_RF 17976.030.035.22 EN, DACO: 2.13, 2.13.2, 2.13.3 CBI
3469381	2020, 2.14.1 to 2.14.3_Physical State, Odour and Colour_RF- 17976.001.114.22 (I), DACO: 2.14.1, 2.14.2, 2.14.3 CBI
3469382	2022, 2.14.10_Dissociation Constant_8_JT-00006-23 (I), DACO: 2.14.10 CBI
3469383	2020, 2.14.11 OctanolWater Partition Coefficient_RF -17976.014.027.22, DACO: 2.14.11 CBI
3469384	2022, 2.14.13_Temp. Metal & Metal Ions_Stability_RF - 17976.481.019.22 (I), DACO: 2.14.13, 2.14.14 CBI
3469385	2023, 2.14.13_Temp. Metal & Metal Ions_Stability_RF - 17976.481.019.22 (I), DACO: 2.14.14 CBI
3469386	2020, 2.14.15 pH_RF 17976.009.118.22 (I), DACO: 2.14.15,830.7000 CBI
3469387	2020, 2.14.2 UV-Visible Adsorption Spectra_RF 17976.037.019.22 (I), DACO: 2.14.12 CBI
3469388	2020, 2.14.4 Melting Point_Range_RF-17976.005.027.22 (I), DACO: 2.14.4 CBI
3469389	2020, 2.14.6 Relative Density_RF-17976.015.110.22(I), DACO: 2.14.6 CBI
3469390	2020, 2.14.7 & 2.14.8_Water & Solvent Solubility_RF-17976.008.109.22(I)EPA, DACO: 2.14.7, 2.14.8 CBI
3469391	2020, 2.14.9 Vapour Pressure_RF - 17976.007.029.22 (I), DACO: 2.14.9 CBI
3469394	2023, 2.3 to 2.11.4 Chemical composition, Manufacturing Summary, Starting materials and impurities, DACO: 2.11, 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.3, 2.3.1, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI

© His Majesty the King in Right of Canada, as represented by the Minister of Health Canada, 2024

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.