

## Evaluation Report for Category L, Subcategory 1.1 Application

**Application Number:** 2022-5016  
**Application:** Application subject to the Protection of Proprietary Interests in Pesticide Data Policy-Equivalency/Data Compensation Assessment  
**Product:** Miraculous Pyraclostrobin Technical  
**Registration Number:** 35147  
**Active ingredient (a.i.):** Pyraclostrobin  
**PMRA Document Number:** 3550232

### Purpose of Application

The purpose of this application was to register a new source of technical pyraclostrobin based on precedent.

### Chemistry Assessment

Common Name: Pyraclostrobin  
IUPAC\* Chemical Name: methyl 2-({[1-(4-chlorophenyl)-1*H*-pyrazol-3-yl]oxy}methyl)-*N*-methoxycarbanilate  
CAS† Chemical Name: methyl *N*-[2-[[[1-(4-chlorophenyl)-1*H*-pyrazol-3-yl]oxy]methyl]phenyl]-*N*-methoxycarbamate

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Miraculous Pyraclostrobin Technical has the following properties:

Property	Result
Colour and physical state	Yellow solid
Nominal concentration	98.5%
Odour	Characteristic odour
Density	1.3314 g/mL at 20°C
Vapour pressure	$5.98 \times 10^{-4}$ mPa at 20°C
pH	5.76 at 20°C
Solubility in water	1.7 mg/L (pH 6.86)

Property	Result
n-Octanol/water partition coefficient	$\log K_{ow} = 3.706$

The required chemistry data for Miraculous Pyraclostrobin 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 Miraculous Pyraclostrobin Technical.

## References

### PMRA

#### Document

Number	Reference
3392405	2022, Manufacturing process of Miraculous Pyraclostrobin technical, DACO: 2.11.1, 2.11.3 CBI
3392406	2022, Discussion of formation of impurities, DACO: 2.11.4
3392409	2020, 5 batch data of Miraculous pyraclostrobin technical, DACO: 2.13.3 CBI
3392410	2019, Color, physical state and odour of Miraculous pyraclostrobin technical, DACO: 2.14.1,2.14.2,2.14.3
3392411	2020, Melting point, DACO: 2.14.4
3392412	2020, Density, DACO: 2.14.6
3392413	2020, Solubility in water and solvent, DACO: 2.14.7,2.14.8
3392414	2022, Vapour pressure, DACO: 2.14.9
3392415	2019, Dissociation constant, DACO: 2.14.10
3392416	2020, Partition coefficient, DACO: 2.14.11
3392417	2020, UV-VIS absorption spectra, DACO: 2.14.12
3392418	2020, Stability, DACO: 2.14.13
3392419	2020, Accelerated storage stability, DACO: 2.14.14
3392420	2020, pH of Miraculous Pyraclostrobin technical, DACO: 2.14.15,830.7000
3470393	2021, Content of [CBI REMOVED] in Pyraclostrobin technical, DACO: 2.13.4
3470394	2023, Content of [CBI REMOVED] in Pyraclostrobin technical, DACO: 2.13.4
3470395	2021, Content of [CBI REMOVED] in Pyraclostrobin Technical, DACO: 2.13.4
3473642	2023, Impurities of toxicological concern [CBI REMOVED], DACO: 2.13.4
3496467	2023, Declaration letter of Miraculous pyraclostrobin, DACO: 2.13.4

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