



Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2020-0504
Application: New TGAI Product Chemistry – New Source
Product: Pyraclostrobin Dry Crystalline 1
Registration Number: 34058
Active ingredient (a.i.): Pyraclostrobin
PMRA Document Number: 3204706

Purpose of Application

The purpose of this application was to register a new source of the technical grade active ingredient pyraclostrobin.

Chemistry Assessment

Common Name: Pyraclostrobin
IUPAC* Chemical Name: methyl 2-([1-(4-chlorophenyl)-1*H*-pyrazol-3-yl]oxy)methyl)-*N*-methoxycarbamate
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

Pyraclostrobin Dry Crystalline 1 has the following properties:

Property	Result
Colour and physical state	Light yellow powder
Nominal concentration	99.9 %
Odour	Odourless
Density	1.380 g/cm ³
Vapour pressure	2.6 x 10 ⁻¹¹ kPa
pH	5.9 – 6.4
Solubility in water	1.9 mg/L at 20°C
n-Octanol/water partition coefficient	log K _{ow} = 3.99

The required chemistry data for Pyraclostrobin Dry Crystalline 1 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 sufficient to register Pyraclostrobin Dry Crystalline 1.

References

PMRA

Document

Number	Reference
3088185	2020, Product Identity and Composition of Pyraclostrobin Dry Crystalline 1 (BAS 500 F), DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI
3088186	2007, Determination of Pyraclostrobin in Pyraclostrobin technical, Pyraclostrobin technical concentrate, Pyraclostrobin emulsifiable concentrates and Pyraclostrobin water dispersible granules, DACO: 2.13.1 CBI
3088187	2014, Determination of the content of Pyraclostrobin (Reg.No. 304428) and the impurity [CBI REMOVED] in a DMSO solution., DACO: 2.13.1 CBI
3088188	2019, Determination of the impurity [CBI REMOVED] in Reg.No. 304428 TGAI, DACO: 2.13.1 CBI
3088189	2019, Validation of the Analytical Method APL0765/01: Determination of the impurity [CBI REMOVED] in Reg.No. 304428 TGAI, DACO: 2.13.1 CBI
3088190	2019, Determination of the impurity [CBI REMOVED] in Reg.No. 304428 TGAI, DACO: 2.13.1 CBI
3088191	2019, Validation of the Analytical Method APL0764/01: Determination of the impurity [CBI REMOVED] in Reg.No. 304428 TGAI, DACO: 2.13.1 CBI
3088192	2019, Determination of [CBI REMOVED] in "Reg.No. 304428, Pyraclostrobin", DACO: 2.13.1 CBI
3088193	2019, Validation of the determination of [CBI REMOVED] in "Reg.No. 304428, Pyraclostrobin", DACO: 2.13.1 CBI
3088194	2019, Determination of the impurity [CBI REMOVED] in Reg.No. 304428 TGAI, DACO: 2.13.1 CBI
3088195	2019, Validation of the Analytical Method APL0763/01: Determination of the impurity [CBI REMOVED] in Reg.No. 304428 TGAI, DACO: 2.13.1 CBI
3088196	2019, Determination of the impurity [CBI REMOVED] in Reg.No. 304428 TGAI, DACO: 2.13.1 CBI
3088197	2019, Validation of the Analytical Method APL0766/01: Determination of the impurity [CBI REMOVED] in Reg.No. 304428 TGAI, DACO: 2.13.1 CBI
3088199	2004, Validation of Analytical Method CP431: Determination of [CBI REMOVED], DACO: 2.13.1 CBI
3088201	2019, Chemical Analysis of Five Batches BAS 500 F Technical Grade Active Ingredient (TGAI), DACO: 2.13.3 CBI
3088202	2019, Physical and Chemical Properties of Pyraclostrobin (BAS 500 F, Reg. No. 304428) crystalline technical material (TC/TGAI), DACO: 2.14.1,2.14.14, 2.14.15,2.14.2,2.14.3,2.14.4,2.14.6,2.16,830.7000
3088203	2000, Determination of the Dissociation Constant of Reg.No. 304428 (BAS 500 F), DACO: 2.14.10
3088204	2020, Pyraclostrobin (BAS 500 F, Reg. No. 304428) crystalline technical (TC/TGAI) : Stability to Normal and Elevated Temperature, Metal and Metal ions., DACO: 2.14.13
3088205	2006, Determination of the solubility of Reg.-No. 304428 in water and buffer systems (pH4, pH7, pH9) at 20C by column elution method and by HPLC, DACO: 2.14.7

3088206 2000, Henrys Law Constant for 304428, DACO: 2.14.9
3088208 2019, Determination of physico-chemical properties according to UN Transport Regulation and Directive 94/37/EC (Regulation (EC) No. 440/2008, DACO: 2.16

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