

Evaluation Report for Category B, Subcategory 1.2 Application

Application Number:	2010-4505		
Application:	New Source of Technical Grade Active Ingredient by a N		
	Registrant		
Product:	Nufarm Azoxystrobin Technical		
Registration Number:	31378		
Active ingredients (a.i.):	Azoxystrobin		
PMRA Document Number	r: 2414826		

Background

The source of azoxystrobin used to determine chemical equivalence was Registration Number 26152.

Purpose of Application

The purpose of this application was to register a new source of the active ingredient, azoxystrobin, by a different Registrant.

Chemistry Assessment

Common Name: Azoxystrobin Chemical Name: methyl (2*E*)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3methoxyacrylate

Nufarm Azox	vstrobin Tec	chnical has	the followin	g properties:
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Property	Result
Colour and physical state	Off white solid
Nominal Concentration	98.5%
Odour	Bitter
Density at 20°C	$1.30-1.34 \text{ g/cm}^3$
Solubility in water at 20°C	$\begin{array}{c c} \underline{pH} & \underline{Solubility\ (mg/L)} \\ 5.08 & 5.982 \pm 0.102 \\ 7.08 & 6.310 \pm 0.048 \\ 9.05 & 6.451 \pm 0.029 \end{array}$
Vapour pressure at 20°C	$1.1 \times 10^{-7} \mathrm{mPa}$



Property	Result
рН	7 (1% w/v susp)
Octanol/water partition coefficient (K _{ow})	$\log K_{ow} = 2.5 \text{ at } 20^{\circ} \text{C}$

The chemistry requirements for Nufarm Azoxystrobin Technical have been completed.

Health and Environmental Assessments

As the new source of azoxystrobin is chemically equivalent to the registered source, the health and environmental risk profiles are expected to be similar to that of the product used to determine chemical equivalence. No additional assessments were required.

Value Assessment

A value assessment is not required for technical grade active ingredient products.

Conclusion

The PMRA has completed an evaluation of the subject application and has determined that it can support the registration of Nufarm Azoxystrobin Technical

References

Studies/Information Provided by the Applicant

PMRA No.	Title
1958869	2010, TGAI Chemistry Summary Information, DACO: 2.1,2.2,2.3,2.3.1 CBI
1958878	2009, Preliminary Analyisis - 5BA - Volume I, DACO: 2.13.1, 2.13.2, 2.13.3, 2.13.4 CBI
1958879	2010, Enforcement of Analytical Method, DACO: 2.13.1, 2.13.2 CBI
1958884	2008, Accelerated Storage Stability of NUP 08088, DACO: 2.14.14 CBI
1958886	2008, Colour, Physical State, odor, DACO: 2.14.1,2.14.2,2.14.3 CBI
1958887	2008, Dissociation constants in water, DACO: 2.14.10 CBI
1958888	2008, Infrared Spectral Analyses of NUP 08088, DACO: 2.13.2 CBI
1958889	2008, Melting Point, DACO: 2.14.4 CBI
1958891	2010, Determination of Specificity Method Validation of Study 8737, DACO:
	2.13.1, 2.13.2 CBI
1958893	2008, Methodology Validation, DACO: 2.13.1,2.13.2 CBI
1958895	2009, Method Development, Validation and Determination by HPLC, DACO:
	2.13.1, 2.13.2 CBI
1958898	2008, Partition coefficient, DACO: 2.14.11 CBI
1958899	2010, Identity of the Active Substance, 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
1958901	2008, Solubility in organic solvents, DACO: 2.14.8 CBI
1958902	2008, Specific Gravity, DACO: 2.14.6 CBI
1958903	2008, Determination of Stability, DACO: 2.14.13 CBI
1958904	2008, Vapour Pressure, DACO: 2.14.9 CBI
1958905	2008, Water Solubility, DACO: 2.14.7 CBI
2036991	2009, Production Chemistry of AZOXYSTROBIN [CBI removed] 30Nov2009,
	DACO: 2.11.3 CBI

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