

## Evaluation Report for Category B, Subcategory B.1.2 Application

**Application Number:** 2013-6130  
**Application:** New Source of Technical Grade Active Ingredient by a New Registrant  
**Product:** Albaugh Azoxystrobin TGAI  
**Registration Number:** 31722  
**Active ingredients (a.i.):** azoxystrobin  
**PMRA Document Number:** 2499325

### Background

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

### Purpose of Application

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

### Chemistry Assessment

**Common Name:** Azoxystrobin  
**IUPAC Chemical Name:** Methyl (2*E*)-2-(2-([6-(2-cyanophenoxy)pyrimidin-4-yl]oxy)phenyl)-3-methoxyprop-2-enoate  
**CAS Chemical Name:** Methyl (*αE*)-2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy]- $\alpha$ -(methoxymethylene)benzeneacetate

Albaugh Azoxystrobin TGAI has the following properties:

Property	Result
Colour and physical properties	Yellow solid powder
Nominal concentration	98.8%
Odour	Odourless
Density at 20°C	1.2432 g/mL
Vapour pressure at 20°C	1.1 x 10 <sup>-13</sup> kPa
pH	6.66 (1% in water)

Property	Result
Water solubility at 20°C	8.4 mg/L
Octanol/water partition coefficient ( $K_{ow}$ )	$\log K_{ow} = 2.42$

The chemistry requirements for Albaugh Azoxystrobin TGAI have been fulfilled.

### **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 Albaugh Azoxystrobin TGAI.

## References

- 2361404 2013, Chemistry-2.1, 2.2, 2.3, 2.3.1, 2.14.9-Azoxystrobin TGAI, DACO: 2.1,2.14.9,2.2, 2.3,2.3.1
- 2361406 2013, Azoxystrobin TGAI: Product Identity and Composition, DACO: 2.11.1,2.11.2, 2.11.3,2.11.4, 2.12.1 CBI
- 2361408 2011, Preliminary Analysis and Enforcement Analytical Method of Azoxystrobin TGAI, DACO: 2.13.1,2.13.2,2.13.3 CBI
- 2361412 2011, Chemical and Physical Characterization of Azoxystrobin TGAI: Color, Physical State, Odor, Stability, Oxidation/Reduction, pH, UV-Vis, Melting Point, Density, Dissociation Constant, Partition Coefficient and Water Solubility, DACO: 2.14.1,2.14.10, 2.1

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