

## Evaluation Report for Category L, Subcategory 1.1 Application

**Application Number:** 2017-2361  
**Application:** L.1.1: Subject to PPIP Policy  
**Product:** Sharda Quizalofop-P-Ethyl Technical Herbicide  
**Registration Number:** 33269  
**Active ingredients (a.i.):** Quizalofop-P-Ethyl  
**PMRA Document Number :** 2912655

### Purpose of Application

The purpose of this application was to register a new source of Quizalofop-P-Ethyl by a new registrant.

### Chemistry Assessment

Common Name: Quizalofop-P-Ethyl  
IUPAC\* Chemical Name: ethyl (2*R*)-2-[4-(6-chloroquinoxalin-2-yloxy)phenoxy] propionate  
CAS† Chemical Name: ethyl (2*R*)-2-[4-[(6-chloro-2-quinoxalinyloxy]phenoxy] propanoate

\* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

Quizalofop-P-ethyl has the following properties:

Property	Result
Colour and physical state	Faint yellow powder
Nominal concentration	95.7 %
Odour	Characteristic
Density	1.3146 g/mL
Vapour pressure	1.1 x 10 <sup>-4</sup> mPa (at 20°C)
pH	6.0 (1% suspension in water)
Solubility in water	0.63 mg/L (20°C)
n-Octanol/water partition coefficient	log Kow = 4.55

The required chemistry data for Sharda Quizalofop-P-Ethyl Technical Herbicide have been provided, reviewed, and found to be acceptable.

## Health, Environmental and Value Assessment

Health, environmental and value assessments were not required for this application.

## Conclusion

The PMRA has reviewed the information provided in support of this new source. Based on the result of this review, the new source of Quizalofop-P-Ethyl is acceptable for registration.

## References

### 7.1.1 Studies/Information Provided by Applicant/Registrant

- 2904385 2015, Manufacturing Process Synthesis Pathway: Quizalofop-P-ethyl Technical, DACO: 2.11,2.11.1,2.11.2,2.11.3,2.13.4 CBI
- 2761225 2008, Preliminary Analysis and Enforcement Analytical Method of Quizalofop-p-ethyl TGAI, DACO: 2.13,2.13.1 CBI
- 2761226 2008, Preliminary Analysis and Enforcement Analytical Method of Quizalofop-p-ethyl TGAI, DACO: 2.13,2.13.1,2.13.3 CBI
- 2832419 2017, Determination of [CBI removed] in quizalofop-p-ethyl Technical, DACO: 2.13.4 CBI
- 2761228 2017, Quizalofop-p-ethyl: Determination of the Chemical and Physical Properties, DACO: 2.14,2.14.1,2.14.11,2.14.12,2.14.15,2.14.2,2.14.3,2.14.4,2.14.6,2.14.7,2.14.8,2.14.9,830.7000 CBI
- 2761227 2010, Identity of Active Ingredient and Related Significant Impurities of Quizalofop-p-ethyl with [CBI removed], DACO: 2.13.2,2.13.3 CBI
- 2761228 2017, Quizalofop-p-ethyl: Determination of the Chemical and Physical Properties, DACO: 2.14, 2.14.1, 2.14.11, 2.14.12, 2.14.15, 2.14.2, 2.14.3, 2.14.4, 2.14.6, 2.14.7, 2.14.8, 2.14.9, 830.7000 CBI

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