



Evaluation Report for Category B, Subcategory 1.1 Application

Application Number: 2017-8199
Application: New TGAI Product Chemistry, New Source Same Registrant
Product: BASF Topramezone Technical
Registration Number: 29568
Active ingredient (a.i.): Topramezone
PMRA Document Number : 2917569

Purpose of Application

The purpose of this submission was to register a new manufacturing site of the technical grade product, BASF Topramezone Technical.

Chemistry Assessment

Common Name: Topramezone
IUPAC* Chemical Name: [3-(4,5-dihydroisoxazol-3-yl)-4-mesyl-*o*-tolyl](5-hydroxy-1-methyl-1*H*-pyrazol-4-yl)methanone
CAS† Chemical Name: [3-(4,5-dihydro-3-isoxazolyl)-2-methyl-4-(methylsulfonyl)phenyl](5-hydroxy-1-methyl-1*H*-pyrazol-4-yl)methanone

* International Union of Pure and Applied Chemistry

† Chemical Abstracts Service

BASF Topramezone Technical has the following properties:

Property	Result
Colour and physical state	White solid
Nominal concentration	99.2%
Odour	Odourless
Density	1.425 g/cm ³
Vapour pressure	<1.1×10 ⁻⁹ mPa (at 25°C)
pH	3.21
Solubility in water	510 ± 8.3 mg/L (20°C, pH 3.1)

Property	Result
n-Octanol/water partition coefficient	<u>pH</u> <u>log Kow</u>
	4 -0.81
	7 -1.52
	9 -2.34

The required chemistry data for BASF Topramezone 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 it sufficient to support the registration of the new manufacturing site of BASF Topramezone Technical.

References

PMRA Document Number	Reference
2836658	2017, Chemical Abstracts Registry Number, DACO: 2.1, 2.2, 2.3, 2.3.1, 2.4, 2.5, 2.6, 2.7, 2.8, 2.9 CBI
2836659	2017, Manufacturing Summary, DACO: 2.11, 2.11.1, 2.11.2, 2.11.3, 2.11.4, 2.12.1, 2.13.4 CBI
2836660	2017, Establishing Certified Limits, DACO: 2.12.1, 2.16 CBI
2836662	2017, Methodology/Validation, DACO: 2.13.1 CBI
2836664	2017, Methodology/Validation, DACO: 2.13.1 CBI
2836665	2017, Methodology/Validation, DACO: 2.13.1 CBI
2836666	2017, Methodology/Validation, DACO: 2.13.1 CBI
2836667	2017, Methodology/Validation, DACO: 2.13.1 CBI
2836668	2017, Methodology/Validation, DACO: 2.13.1 CBI
2836669	2017, Confirmation Of Identity, DACO: 2.13.2, 2.13.3 CBI
2836670	2017, Other Studies/Data/Reports, DACO: 2.16 CBI

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