Health Canada Santé Canada

# Evaluation Report for Category L, Subcategory 1.1 Application

**Application Number:** 2022-5341
**Application:** Application Subject to Protection of Proprietary Interests in Pesticide Data (PPIP) Policy – Equivalency/Data Compensation Assessment
**Product:** Sharda Napropamide Technical
**Registration Number:** 35096
**Active ingredient (a.i.):** Napropamide
**PMRA Document Number : 3527130**

## Purpose of Application

The purpose of this application was to register Sharda Napropamide Technical, a new source of the active ingredient napropamide, based on a registered precedent product.

## Chemistry Assessment

Common Name: Napropamide
IUPAC* Chemical Name: (2*RS*)-*N,N*-diethyl-2-(1-naphthyloxy)propanamide
CAS† Chemical Name: *N,N*-diethyl-2-(1-naphthalenyloxy)propanamide

* International Union of Pure and Applied Chemistry
† Chemical Abstracts Service

Sharda Napropamide Technical has the following properties:

| Property | Result |
|---|---|
| Colour and physical state | Beige Solid (Powder) |
| Nominal concentration | 99.4% |
| Odour | Odourless |
| Density | 1.1234 g/mL at 20 °C |
| Vapour pressure | 3.3136 x $10^{-2}$ mPa at 20 °C |
| pH | 6.88, 1% solution |
| Solubility in water | 0.0959 g/L at pH = 6 |
| n-Octanol/water partition coefficient | log $K_{ow}$ = 3.27 |

The required chemistry data for Sharda Napropamide Technical have been provided, reviewed, and found to be acceptable.

## Health, Environmental and Value Assessments



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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 acceptable to support the registration of Sharda Napropamide Technical.

## References


| PMRA Document Number | Reference |
|---|---|
| 3395326 | 2022, Accelerated Storage Stability Test, Stability to Normal, Elevated Temperatures, Metals, Metal Ions and Corrosion Characteristics of Napropamide Technical, DACO: 2.14.13,2.14.14 |
| 3395329 | 2022, Synthesis and Impurity Formation of Napropamide Technical Grade, DACO: 2.11.1,2.11.2,2.11.3,2.11.4 CBI |
| 3395330 | 2022, Determination of Vapour Pressure and Henry's Law Constant of Napropamide Technical, DACO: 2.14.9 |
| 3395331 | 2022, Determination of Partition Coefficient (n-Octanol/Water) of Napropamide Technical, DACO: 2.14.11 |
| 3395332 | 2022, Determination of Physicochemical Properties of Napropamide Technical, DACO: 2.14.1,2.14.10,2.14.12,2.14.15,2.14.2,2.14.3,2.14.4, 2.14.6,830.7000 |
| 3395333 | 2022, Five Batch Analysis of Napropamide Technical, DACO: 2.13.1,2.13.2, 2.13.3,2.13.4 CBI |
| 3395334 | 2022, Solubility of Napropamide Technical, DACO: 2.14.7,2.14.8 |
| 3426887 | 2023, Five Batch Analysis of Napropamide Technical, DACO: 2.13.4 CBI |
| 3509557 | 2023, Five Batch Analysis of Napropamide Technical, DACO: 2.13.4 CBI |
| 3509558 | 2023, Deficiency Response, DACO: 2.11.3,2.13.1,2.13.3,2.13.4 CBI |
| 3509559 | 2023, Manufacturing Process, DACO: 2.11.3 CBI |