

WHO Prequalification Programme / Vector Control Product Assessment

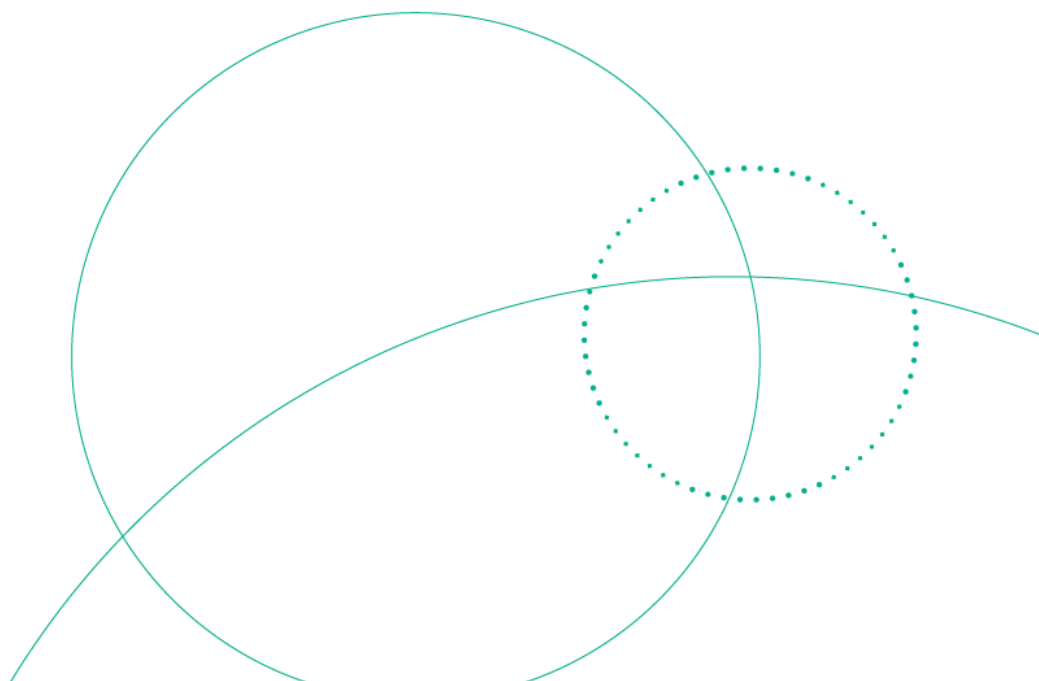
# WHO Public Assessment Report: WHOPAR Part 2

PermaNet Dual (Vestergaard Sàrl) P-03228

## Executive Summary

Summary of prequalification status for PermaNet Dual initial acceptance	Date	Outcome
Status on PQ list	March 2023	PQ
Quality, safety, efficacy	January 2023	MR

PQ: prequalification  
MR: meets requirements



## Contents

<b>1. Introduction</b>	<b>3</b>
<b>2. Product identification</b>	<b>3</b>
<b>3. Assessment of quality</b>	<b>3</b>
<b>4. Assessment of safety</b>	<b>4</b>
<b>5. Assessment of efficacy</b>	<b>4</b>
<b>6. Labelling</b>	<b>4</b>
<b>7. Post-prequalification commitments</b>	<b>5</b>
<b>8. Pre-qualification listing decision</b>	<b>5</b>

## 1. Introduction

WHO's Prequalification Unit, Vector Control Product Assessment team (PQT/VCP) assesses vector control products and public health pesticide active ingredients to determine their acceptability and that they can be used safely, effectively and are manufactured to a high-quality standard. This is done by assessing product dossiers, inspecting manufacturing sites, and supporting quality-control testing of products. Products that meet prequalification requirements are added to the WHO list of vector control products.

WHO prequalification of vector control products primarily benefits populations most affected by vector-borne diseases by facilitating access to these prevention focused tools. The vector-borne diseases include malaria, and neglected tropical diseases such as Dengue, Chikungunya, Zika, Chagas, Lymphatic filariasis, Leishmaniasis, Human African trypanosomiasis, Onchocerciasis and Schistosomiasis.

This Executive Summary document conveys that, based on the application and product dossier supporting the product PermaNet Dual manufactured by Vestergaard Sàrl (PQ Ref# P-03228), the product has been found to meet the requirements for WHO prequalification.

## 2. Product identification

PermaNet Dual is a homogeneous ITN (roof and side panels are constructed from the same fabric). The fabric is warp knitted using 100D polyester multi-filament yarns. The fabric is coated by means of a chemical binder with the active ingredients deltamethrin (CAS No. 52918-63-5) and chlorfenapyr (CAS No. 122453-73-0) at nominal concentrations of 84 mg/m<sup>2</sup> (2.1 g/kg) and 200 mg/m<sup>2</sup> (5.0 g/kg), respectively. The coated fabric weight is 40 g/m<sup>2</sup>.

The product, PermaNet Dual, is intended to provide personal and community protection from *Anopheline* mosquitoes as part of malaria control programmes.

## 3. Assessment of quality

Please see current WHOPAR Part 3 Quality Assessment.

### Document information

<b>Title</b>	WHOPAR Part 3 Quality Assessment
<b>Current version</b>	V5
<b>Publication date (current version)</b>	September 2023

### Revision history

Document version	Date	Identification of changes	Notes
Version 5	September 2023		Current version

## 4. Assessment of safety

Please see current WHOPAR Part 4 Safety Assessment.

### Document information

<b>Title</b>	WHOPAR Part 4 Safety Assessment
<b>Current version</b>	V2
<b>Publication date (current version)</b>	September 2023

### Revision history

Document version	Date	Identification of changes	Notes
Version 2	September 2023	Formatting	Current version
Version 1	June 2023		

## 5. Assessment of efficacy

Please, see current WHOPAR Part 5 Efficacy Assessment.

### Document information

<b>Title</b>	WHOPAR Part 5 Efficacy Assessment
<b>Current version</b>	V4
<b>Publication date (current version)</b>	September 2023

### Revision history

Document version	Date	Identification of changes	Notes
Version 4	September 2023	Formatting	Current version
Version 2	June 2023		

## 6. Labelling

The proposed Declaration of Labelling has been reviewed by PQT/VCP and found to be consistent with the supporting information.

## 7. Post-prequalification commitments

As per the existing WHO Guidelines on the testing of LLINs, the applicant is required to submit results from long-term field trials.

## 8. Pre-qualification listing decision

The review of the dossier submitted for the product PermaNet Dual has been completed by PQT/VCP. The results of the assessments show the product meets the requirements for prequalification when used according to the directions for use on the label. The product is allowed inclusion on the list of prequalified vector control products.