

WHO Prequalification Programme / Vector Control Product Assessment

# WHO Public Assessment Report: WHOPAR Part 2

Vector Guard

(Disease Control Technologies LLC)

P-09284

## Executive Summary

Summary of prequalification status for Vector Guard initial acceptance	Date	Outcome
Status on PQ list	January 2024	PQ
Quality, safety, efficacy	December 2023	MR
PQ: prequalification MR: meets requirements		

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## 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 Vector Guard manufactured by Disease Control Technologies (PQ Ref# P-09284), the product has been found to meet the requirements for WHO prequalification.

## 2. Product identification

Vector Guard is a mosaic ITN. The fabric used for the roof is made from 120 denier polyethylene yarn incorporated with the active ingredient alpha-cypermethrin (CAS No. 67375-30-8) and synergist piperonyl butoxide (PBO) (CAS No. 51-03-6) at nominal concentrations of 5.8 g/kg and 20.3 g/kg respectively. The declared fabric weight is 35 g/m<sup>2</sup>.

The fabric used for the sides is made from 120 denier polyethylene yarn incorporated with the active ingredient alpha-cypermethrin (CAS No. 67375-30-8) at a nominal concentration of 5.8 g/kg. The declared fabric weight is 35 g/m<sup>2</sup>. This is the same fabric as used in the production of the prequalified product Royal Sentry 2.0 (003-002).

The product, Vector Guard, is intended to provide personal and community protection from *Anopheles* 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>	V3
<b>Publication date (current version)</b>	January 2024

#### Revision history

Document version	Date	Identification of changes	Notes
Version 3	January 2024		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>	V3
<b>Publication date (current version)</b>	January 2024

#### Revision history

Document version	Date	Identification of changes	Notes
Version 3	January 2024		Current version

### 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>	V3
<b>Publication date (current version)</b>	January 2024

### Revision history

Document version	Date	Identification of changes	Notes
Version 3	January 2024		Current version

## 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 Vector Guard 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.