



South Asia

Certificate of Product Greenhouse Gases Emissions Verification

Verification Statement

The "Verification of Product Carbon Footprint Report" for Shobikaa Impex Private Limited for product "long-lasting insecticide bed Nets (LLIN's)" which is categorized as Dura Net© & Dura Net Plus© brand nets, final report dated October 18,2023.

Shobikaa Impex Private Limited

34, Sannathi Street, Vennaiamalai (P.O), Karur - 639006, Tamil Nadu, India.

Verification Criteria: Verification in accordance with **ISO 14067:2018** Greenhouse gases - Carbon footprint of products - Requirements and guidelines for quantification & **14064-3:2019** regarding the guidance for the verification and validation of greenhouse gas statements.

System Boundary : Cradle to Grave

Functional Unit : " Per Unit of Net weighing 45 GSM" (For a life of 20 washes or 3 Years whichever is early)

Verified emission in the reporting period : January 2022 to December 2022

The scope of the assessment included the verification of GHG emissions for the system boundary of the product long-lasting insecticide bed Nets is "Cradle to Grave" were calculated from the procurement of Raw material stage until to the end-of-life of the product.

Emissions data Verified :

The Greenhouse Gas Emissions for the above reporting period is verified for the stages:

- ❖ Emission on account of Raw Material procurement stage (Procurement – High Density Polyethylene HDPE, Low Density Polyethylene LDPE, Packaging Material & Chemicals)
- ❖ Emission on account of upstream & downstream of materials and goods transportation
- ❖ Emission on account of Manufacturing stage (Including Packaging)
- ❖ Emissions on account of dispatch of the LLIN product to the client location
- ❖ Emission on account of End-of life of the product

Level of assurance : Reasonable

Level of materiality : ≤5 % for the total sum

This Verification Statement is only valid for the mentioned scope of application and in combination with the objectives, explanations and criteria for evaluation specified in the attached verification report. The results of the GHG from upstream & downstream transportation of materials and goods, manufacturing of LLIN Nets and end of life per net of 45 GMS of the product are given in the below Annexure-1.

TÜV SÜD South Asia Pvt. Ltd.

Verification Body for Greenhouse Gases

Solitaire, 4th Floor, ITI Road, Aundh, Pune - 411 007, Maharashtra, India.

Pune, September 20, 2023

Verification Statement No.: VVB-23/13

Vide Report No.: 4153867379

Signature
Date:25.10.2023



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Annexure-1 : Product Carbon Footprint Results

1. Emissions from Manufacturing of “long-lasting insecticide bed Nets (LLIN's)” per net of 45 GMS.

Product Category	UOM	Total KgCO ₂ e
Long Lasting Insecticide Incorporated Net (LLIN)	Kgs/Net	2.238
	Kgs/Kg	3.481
	Kgs/SQM	0.157

2. Scope wise GHG emission for production of Long-Lasting Insecticide Net (LLIN's)

Scope	Sum of CO ₂ kg	Sum of CH ₄ KG	Sum of N ₂ O Kg	Sum of CO ₂ e Kg	% share
S1	5582332	482	132	5633605	4%
S2	9831694	0	0	9831694	7%
S3	119631144	6733	557	119965317	89%
Grand Total	135045170	7215	688	135430617	100%

3. Results of the product carbon footprint at each life cycle stages

Life cycle stage	KgCO ₂ e/Net of 45 GMS*	% share
Procurement stage	1.627	72.07%
Upstream Transportation stage	0.134	5.94%
LLIN Production stage	0.256	11.36%
Downstream Transportation stage	0.221	9.77%
Use Stage	0.0056	0.25%
End of Life stage	0.0137	0.61%
Grand Total	2.257	100%

*Note: GMS - Grams

Conclusions & Recommendations for product carbon footprint work

With our review of the “Product carbon footprint verification” of Shobikaa Impex Private Limited for the product “long-lasting insecticide bed Nets (LLIN's)”, dated October 18, 2023, it is concluded that, in all the material respects, the greenhouse gas emissions and removals are presented fairly and factually in accordance with the specifications and standards used as a basis here.

Based on the results of our verification process, it is confirmed that the reported emissions and the achievement of the agreed level of assurance and compliance with materiality thresholds.

This statement is issued in accordance with the agreement reached with the client and within the framework of our verification regulations. The results documented here are based on our internal documentation dated from August 22, 2023, to October 18, 2023, for this verification with Project No. SO – 4153867379.

Reference / Date: Verification Statement VS-23/13 October 25, 2023