Verification Statement

Certificate No.	LCA 8120412438
Certificate Holder	Eco Pallet Private Limited
Manufacturing Sites	Plot No. 1, KIADB Industrial Area, Bashettyhalli Village, Kasaba Hobli, Doddaballapura Taluk, Bengaluru-561203, Karnataka, India. https://www.ecopallet.com/
Product Name	Eco Pallet: Sprayed Wooden Pallet

Audit Report No.	8120412438
Reference	ISO 14040:2006 - Environmental management - Life cycle assessment – Principles and framework
Issued on	2022-06-24

The critical review of the Life Cycle Assessment (LCA) "Sprayed wooden pallet" conducted by the TUV India in accordance with the requirement of international standard ISO 140040:2006 and summarized as follows:

- The methods used for drawing up the Life Cycle Assessment are in accordance with the requirements of ISO 14040:2006. The methods are scientifically well-founded and are in accordance with the state of the art of Life Cycle Assessments
- The data used are adequate, appropriate and well-founded with reference to the objective of the assessment
- The evaluation takes into consideration the objectives of the assessment and the limitations, assumptions which were identified
- The Life Cycle Assessment is consistent and transparent

A certificate of validity has been issued concerning to the critical review concluded as a part of Annexure 1.

For TUV India Pvt. Ltd.
Pune; 2022-07-12

Annexure 1 – LCA Environmental Impacts

Under LCA study below stages are verified:

- Sprayed wooden pallet production (raw material extraction, material transformation and assembly)
- Transportation (inbound and outbound)
- Disposal and waste treatment (End-of-Life - EOL)

For this study, LCA data base for period 1st November 2021 to 31st April 2022 is applied. The LCA model was created using the SimaPro Software system.

The Life Cycle Environmental Impacts of One Sprayed wooden pallet over complete LCA as shown below

Impact category	Unit	Total	Manufacturing	Raw material transportation	Distribution	Disposal
Climate change	kg CO_2 eq.	56.577	42.102	7.935	6.009	0.529
Ozone depletion	kg CFC11 eq.	8.00E-06	4.94E-06	1.63822E-06	1.41E-06	1.70E-08
Photochemical ozone formation	kg NMVOC eq.	0.487	0.366	0.101	0.018	0.001
Acidification	mol H+ eq.	0.660	0.496	0.1417	0.019	0.002
Eutrophication, freshwater	kg P eq.	0.036	0.035	0.0004	0.0004	0.0002
Eutrophication, marine	kg N eq.	0.167	0.127	0.034	0.004	0.0005
Eutrophication, terrestrial	mol N eq.	1.718	1.284	0.381	0.047	0.005
Water use	m^3 deprived	18.785	18.030	0.297	0.375	0.0827
Resource use, fossils	MJ	1421.629	1211.051	108.692	95.360	6.525
Ecotoxicity	CTUe	3124.877	2954.539	80.668	79.822	9.847

Exclusion: The system boundary excludes below

- All environmental impacts linked to activities of personnel such as power and utility consumption of office spaces, food consumption and disposal of food wastes within work premises, commuting of employees from homes to office, business event, marketing event etc., are considered to be out of scope for this study
- Capital equipment and buildings
- Impacts of employees are also excluded from inventory impacts