GLOBAL GREEN TAG INTERNATIONAL PTY LTD

PHD™

Product Health Declaration

Global GreenTag CertTM Certified

PLATINUM HEALTH

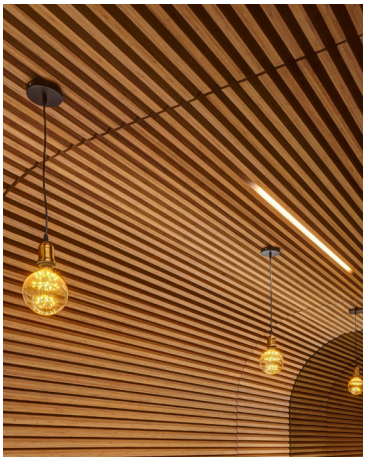
HealthRate™

House of Bamboo

Engineered Laminated Bamboo

House of Bamboo's Engineered Laminated bamboo products are made with rapidly renewable materials. The products are tested against AS/NZ 3837 and assessed Fire Rating Class 3 under National Construction Code. House of Bamboo's Engineered Laminated bamboo products are resistant to termites and require low maintenance.

Products/Ranges:	Engineered Laminated Bamboo
Product Stages Assessed:	Manufacturing + In-Use
Product Type:	Wall, Ceilings, Partitions & Flooring
CSI Masterformat:	09 72 00, 0962 23 & 09 50 00
Licenced Site/s:	Jiangxi, China
Licence Number:	HOB:EB01:2023:PH
Licence Date:	2nd December 2020
Valid To:	2nd December 2026
Standard:	GGT International v4.0
Screening Date:	6th December 2020
PHD URL:	https://www.globalgreentag.com/certificate/1419/

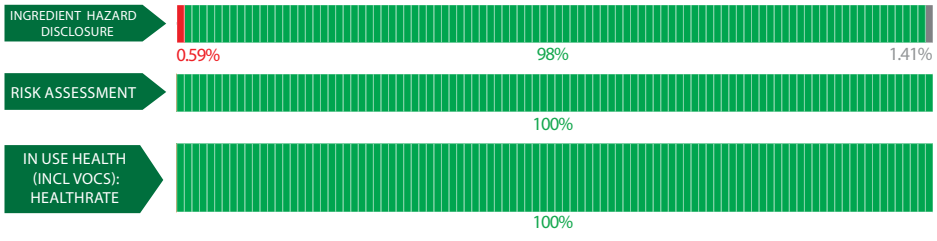


PHD Summary	Inventory Threshold:	Inventory Method:
Percentage Assessed: 100%	100ppm Product Level	Nested Materials

- GreenTag Banned List Compliant.
- GreenTag PHD recognized by WELL™ & LEED ® Material Transparency & Optimization credits included below:
- Meets Green Star ® 'Buildings v1.0' as Recognized for~ Credit 7: Responsible Envelope; Credit 9: Responsible Finishes
- Meets IWBI ® WELL™ v1.0 as Recognized for ~ Feature 26 (Part 1); Feature 97 (Part 1); as a Compliant Technical Document (Audited) for ~ Feature 04 (Part 3, 5); Feature 11 (Part 1); Feature 25 (Part 2, 4, 5), and, meets IWBI ® WELL™ v2.0 as Recognized for ~ X07 (Parts 1, 3); X08 (Part 2); as a Compliant Technical Document (Audited) for ~ X01 (Part 1); X05 (Part 1, 2); X06 (Part 2); X07 (Part 2); X08 (Part 1).
- Meets USGBC LEED ® v4.0 and v4.1 Rating Tool Credit as Recognized for MR Credit: Building Product Disclosure and Optimisation - Material Ingredients - Option 1: Material Ingredient Reporting, Option 2: International ACP - REACH Optimisation.
- Highly unlikely worker, user, and environmental exposure to any Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors.

INGREDIENT HAZARD DISCLOSURE, RISK ASSESSMENT, & IN USE HEALTH, % by mass.
See over for explanation.

ASSESSMENT:



Declared by:
Global GreenTag International Pty Ltd

David Baggs
CEO

Verified compliant with:
ISO 14024 & ISO 17065

1.0 Scope

The Global GreenTag International (GGT) Product Health Declaration (PHD) has been designed to provide an additional level of service to the green product sector in facilitating an easier understanding of both the hazard and risks associated with any certified products, and is intended to indicate:

- Chemical hazards of both finished product and unique ingredients to a minimum level of 100ppm for final product throughout the product life cycle (including any VOC or other gaseous emissions);
- An assessment of exposure or risk associated with ingredient handling, product use, and disposal in relation to established mitigation and management processes;

It is not intended to assess:

i. substances used or created during the manufacturing process unless they remain in the final product; or

ii. substances created after the product is delivered for end use (e.g., if the product unusually degrades, combusts or otherwise changes chemical composition).

GGT PHDs are only issued to products that have passed GGT Standards' certification requirements. The Level of Assessment (BronzeHEALTH, SilverHEALTH, GoldHEALTH or PlatinumHEALTH) of a PHD rating relates ONLY to a Human Health Toxicity Assessment and is declared separately and not equivalent to the overall Bronze, Silver Gold or Platinum Green Tag Certification Mark Tier Levels of LCARate.

1.2 Preparing a PHD

GGT PHDs are prepared in the format of a transparency document which utilizes Hazard Classifications from the UN Globally Harmonised System of Classification and Labelling of Chemicals (GHS). Hazard Classifications are then risk assessed with a focus on the In Use stage for an outcome of Certification. Assessments are undertaken by GGT Qualified Exemplar Global Lead Auditors and subsequently accepted for Certification by the GGT Program Director (also a Qualified Exemplar Global Lead Auditor) under the International Standard v4.0/4.1, Personal Products Standard v1.0/1.1, or Cleaning Products Standard v1.1/1.2 and above Program Rules.

1.3 External Peer Review

Every GGT PHD is independently peer-reviewed by an external Consultant Toxicologist and Member of the Australasian College of Toxicology & Risk Assessment.

2.0 Declaration of Ingredients

Where a manufacturer wishes recognition under a rating program that requires transparency of ingredients, such as LEED ® v4.0 & v4.1, WELL ® v1.0 & v2.0, Green Star ®, the following information is declared from the audit:

Colour	Ingredient Hazard Disclosure
Green	Level 4 The hazard level of this ingredient indicates that the ingredient has no toxic hazard statements with no identified health effects.
Yellow	Level 3 The hazard level of this ingredient indicates that the ingredient is mildly toxic and/or has short/medium term reversible health effects.
Orange	Level 2 The hazard level of this ingredient indicates that the ingredient is moderately toxic and/or with a moderate health effects.
Red	Level 1 The hazard level of this ingredient indicates that the ingredient is highly toxic with a potential for severe health effects.
Black	Level 0 The hazard level of this ingredient indicates that the ingredient is highly toxic with a potential for severe health effects and is banned from being detectable above trace amounts in the final product.
Grey	Grey Chemical Not able to be categorised due to lack of toxicity impact information.

Colour	Risk Assessment & In Use Health Assessment Outcome
Green	No Concerns The risk assessment outcomes for the hazard level and percentage of ingredient used in the product after risk assessment is considered highly unlikely and therefore without concerns.
Yellow	Human Health Comment The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered low with an unlikely potential risk.
Orange	Issue of Concern or Issue of Concern Minimised The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered low to high with a higher than unlikely potential for risk.
Red	Red Light Comment or Red Light Comment Minimised The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered low to extremely high with a moderate potential for risk.
Dark Red	Red Light Exclusion The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered medium to extremely high with a likely potential for risk.
Grey	Grey Chemical Not able to be categorised due to lack of toxicity impact information.
Black	Banned Ingredients Level 0 Hazard Level categorised chemicals such as Substances of Very High Concern in the International Standard v4.0/v4.1 and/or Petroleum, Parabens plus a wide range of additional compounds stipulated by the Personal Products Standard v1.0/1.1 and Cleaning Products Standard v1.1/1.2

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	Ingredient Assessment (Raw)	Whole Of Life Assessment	In Use Health Assessment	Comment
Material: Bamboo							
Declaration	Bamboo fiber	85-100%	None				Recycled Content: None Nanomaterials: No
Material: Hardener							
Formaldehyde	50-00-0	0.0-1%	IARC 1, H314 (Skin Corr. 1B)				The hardener contains formaldehyde, but emissions are extremely low at less than 0.01ppm for the product in use. The health impacts are unlikely. Recycled Content: None Nanomaterials: No
Declaration	Hardener	0.01-1%	None				Remaining hardner used is unknown. However, as there is no hazard declared, it is not expected to cause harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
Material: Resin							
Declaration	Adhesive	1-5%	IARC 1, H302 (Acute Tox. 4), H312 (Acute Tox. 4)				The adhesive contains formaldehyde, but emissions are extremely low at less than 0.01ppm for the product in use. The health impacts are extremely unlikely. Recycled Content: Unknown Nanomaterials: Unknown

* No GHS H-Statement classification

Comments:

VOC emissions: TVOC mg/m3 for final product is <0.5 mg/m3. Total formaldehyde ppm is not detected and the product can be defined as E0. Individual VOCs is no greater than 0.1 Threshold Limit Value (TLV) measured using Test Method ISO 16000-9:2006/COR1-2007 & ISO 16000-6:2011 & ISO 16000-3:2011. Sample tested in June 2020 at SGS-CSTC Standards Technical Service Co., Ltd. Guangzhou Branch. Test approved by SGS-CSTC Co., Ltd. Shunde Branch. Global GreenTag International Program Standard v4.0 Walls, Partitions and Ceilings Supplementary Standard is in accordance with requirements of the Green Building Council of Australia, New Zealand Green Building Council and LEED v4, as updated from time to time.