GLOBAL GREEN TAG INTERNATIONAL PTY LTD

PHD™
Product Health Declaration

GLOBAL GREENTAG HEALTH RATE
Platinum HEALTH
trust brands™
Asthma & Allergy Sensitive™

A.H. Beard

A.H. Beard Origins Mattress Collection

A.H. Beard Origins is a mattress range designed with sustainability at its core. Every component, every process, every partner has been carefully considered and selected based on their sustainability and ethical sourcing credentials.

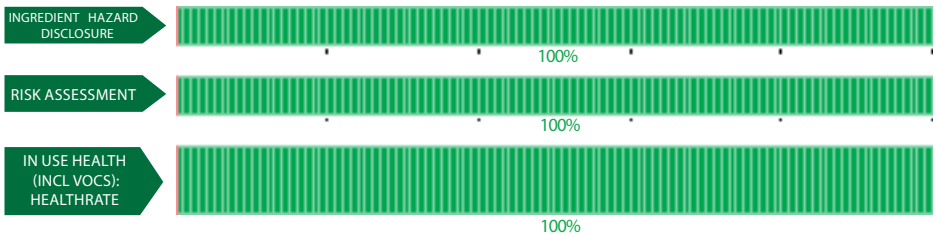
Products/Ranges:	A.H. Beard Origins Mattress Collection
Product Stages Assessed:	Material inputs, manufacturing, in-use
Product Type:	Mattress
Licenced Site/s:	NSW, Australia
Licence Number:	AHB:AH01:2021:PH
Licence Date:	8th July 2021
Valid To:	8th July 2024
Standard:	GGT International v4.0
Screening Date:	22th June 2022
PHD URL:	https://www.globalgreentag.com/getfile/12677/phd.pdf

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

- GreenTag Banned List Compliant.
- Product Meets Optimisation requirements - No Grey or Red Light category ingredient.
- GreenTag PHD recognized by WELL™ & LEED ® Material Transparency & Optimization credits included below:
- 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 5), Feature 11(Part 1), Feature 25(Part 1, 2) and, meets IWBI ® WELL™ v2.0 as Recognized for X07 (Parts 1, 3), X08 (Part 2) as a Compliant Technical Document (Audited) for X05(Part1), 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 and 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 & Program Director
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 risk 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) rating relates ONLY to GGT Standard Sustainability Assessment Criteria 3, and is declared separately to the overall Bronze, Silver Gold or Platinum Green Tag Certification Mark Tier Levels.

1.2 Preparing a PHD

GGT PHDs are prepared using Hazard Classifications from the UN Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and as an outcome of a successful Application for 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 GGT International Standard v4.0, Personal Products Standard v1.0, and Cleaning Products Standard v1.0 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 Australian 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 & v2, Living Building Challenge, Estidama etc., the following information is declared from audit:

Colour	Ingredient Name
Green	Ideal- Low No concerns- ingredient safe at any level based on current known science, % of the ingredient, and relevance to use context'
Yellow	Medium to Low Hazardous Ingredient with minor level of "Issue of Concern" depending on % of the ingredient, hazard level, and relevance to use context'
Orange	Moderate Hazardous ingredient with "Issue of Concern" or "Issue of Concern Minimised" depending on % of the ingredient, hazard level, and relevance to use context'
Red	Problematic (Red): Target for Phase Hazardous ingredient with 'Red Light" or "Red Light Minimised" concern depending on % of the ingredient, hazard level, and relevance to use context'
Dark Red	Very Problematic (Dark Red): Target for Phase Very Hazardous ingredient with 'Red Light Exclusion" concern depending on % of the ingredient, hazard level, and relevance to use context'
Grey	Uncategorised Not able to be categorised due to lack of toxicity impact information.
Black	Banned Ingredients Petroleum, Parabens plus a wide range of compounds stipulated by cleaning/personal products standards.

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	Ingredient Assessment	Whole Of Life Assessment	In Use Health Assessment	Comment
Comfort Layer & Bottom fill							
Polyester	113669-95-7	0-5%	None				The substance is not hazarduous. Recycled Content: Unknown Nanomaterials: no
Organic Cotton	Natural Fibre	0-5%	None				Cotton is a natural fiber and is not toxic to human or environment. Material is OEKO TEX registered. Recycled Content: Unknown Nanomaterials: no
Tencel	Synthetic Fibre	0-5%	None				Tencel is a synthetic fiber that is made from woodpulp and is not toxic to human or environment. Recycled Content: Unknown Nanomaterials: no
Cotton Treatment							
2-(2-Butoxye-thoxy) ethanol; Diethylene gly-col monobutyl ether	112-34-5	0-0.01%	None				Substance is anti microbial and anti dustmite that is add-ed to fabric. The product is Oeko tex registered and has been tested and there is no harmful impact to end user. Recycled Content: Unknown Nanomaterials: no
Permethrin (ISO), m-phe-noxybenzyl 3-(2,2-dichlor-ovinyl)-2,2-di-methylcyclo-propanecarbox-ylate	52645-53-1	0-0.0001%	H317 (Skin Sens 1), H302 (Acute Tox 4), H332 (Acute Tox 4), H400 (Aq Acute 1), H410 (Aq Chronic 1)				Substance is added to the top fabric. Concentration of substance applied on the top fabric is extremely low low and unlikely to cause any hazard to end user. Recycled Content: Unknown Nanomaterials: no
Isothiazolinone mixed	55965-84-9	0-0.01%	None				The substance is not hazarduous. Recycled Content: Unknown Nanomaterials: no
Bottom Fabric, Comfort Layer							
Cotton	Natural Fibre	0-5%	None				Cotton is a natural fiber and is not toxic to human or environment. Recycled Content: Unknown Nanomaterials: no
Spring Unit							
Steel	65997-19-5	30-50%	None				The Material doesn't pose any hazard to end user. Recycled Content: Unknown Nanomaterials: no
Polypropylene	9003-07-0	0-5%	IARC 3				The substance is not classifiable as carcinogenic and doesn't pose any hazard to end user. Recycled Content: Unknown Nanomaterials: no
Anatase	1317-70-0	0-1%	None				The substance doesn't pose any hazard to end user. Recycled Content: Unknown Nanomaterials: no

Comfort Layer & Bottom fill							
Wool	Natural Fibre	1-10%	None				wool is a natural fiber that is derived from animal fur. It consist of protein and lipid. It is not toxic to human or environment. Recycled Content: Unknown Nanomaterials: no
Polyester	113669-95-7	1-10%	None				The substance doesn't pose any hazard to end user. Recycled Content: Unknown Nanomaterials: no
Comfort Layer							
Steel	65997-19-5	10-20%	None				The Material is not classifiable as carcinogenic and doesn't pose any hazard to end user. Recycled Content: Unknown Nanomaterials: no
Polypropylene	9003-07-0	0-5%	IARC 3				The substance is not classifiable as carcinogenic and doesn't pose any hazard to end user. Recycled Content: Unknown Nanomaterials: no
Rosette							
Wool	Natural Fibre	0-0.1%	None				Wool is a natural fiber that is derived from animal fur. I consist of protein and lipid. It is not toxic to human or environment. Recycled Content: Unknown Nanomaterials: no
Acrylic	Clip	0-0.1%	None				The material is not toxic to human or environment. Material goes inside the product and there is no exposure to end user. Recycled Content: Unknown Nanomaterials: no
Tufting Tape							
Kevlar	26125-61-1	0-0.1%	None				Kevlar is a heat-resistant and strong synthetic fiber. It is not toxic to human or environment. Recycled Content: Unknown Nanomaterials: no
Nylon	25038-54-4	0-0.1%	(IARC 3)				Nylon is a synthetic Fiber. It is not classifiable as carcinogenic and doesn't pose any risk to end user.Recycled Content: Unknown Nanomaterials: no
Polyester	113669-95-7	0-0.1%	None				The substance is not toxic to human or environment. Recycled Content: Unknown Nanomaterials: no
Tufting Washer							
Wool	Natural Fibre	0-0.1%	None				Wool is a natural fiber that is derived from animal fur. I consist of protein and lipid. It is not toxic to human or environment. Recycled Content: Unknown Nanomaterials: no

Viscose	68442-85-3	0-0.1%	None				Viscose is a semi synthetic plant based fibre that is not toxic or polluting, It is derived from wood pulp. Recycled Content: Unknown Nanomaterials: no
Hog Rings, Side Support							
Steel	65997-19-5	0-5%	None				The Material doesn't pose any hazard to end user. Recycled Content: Unknown Nanomaterials: no
Denison Tags, Embroidery threads, Sewing threads							
Nylon	25038-54-4	0-0.1%	(IARC 3)				Nylon is a synthetic fiber. It is not classifiable as carcinogenic and doesn't pose any risk to end user. Recycled Content: Unknown Nanomaterials: no

Comments:
3 Model is assessed which is Origins Entry Model, Origins Core Model, and Origins Premium Model