

PHD™

Product Health Declaration

Zetco Valves Pty Ltd

Series 3050 Lead Free DZR Brass Ball Valve

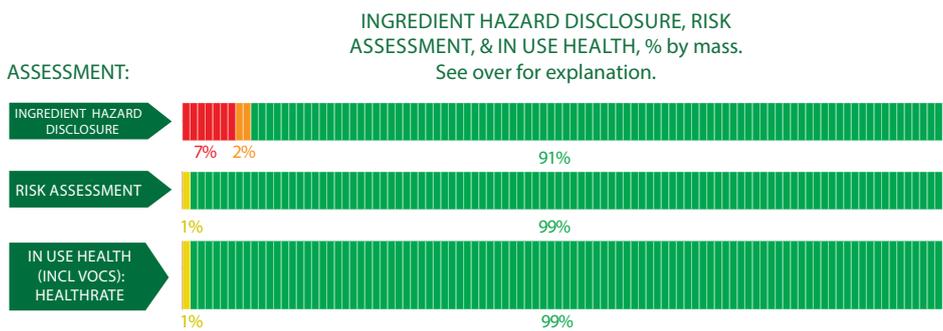
A lead, arsenic and bismuth free water valve. The product is WaterMarked certified and is demonstrated to meet cold and hot water use for drinking water with AS/NZS 4020 tests compliant.

Products/Ranges:	Series 3050 Brass Ball Valve F&F
Product Stages Assessed:	Manufacturing + In-Use
Product Type:	Pipes and Fitting
CSI Masterformat:	22 11 00
Licensed Site/s:	Bovezzo, Italy
Licence Number:	ZET:BZ01:2026:PH
Licence Date:	2nd March 2026
Valid To:	2nd March 2027
Standard:	GGT International v4.1
Screening Date:	16th February 2026
PHD URL:	http://www.globalgreentag.com/certificate/3084



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 IWBI® WELL® v1.0 as Recognized for ~ Feature 26 (Part 1); Feature 97 (Part 1) 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 3); 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.
- Independent third party assessment for worker, user, and environmental exposure to any Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors.



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:

- substances used or created during the manufacturing process unless they remain in the final product; or
- 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 GreenTag 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

Global GreenTag International Pty Ltd (Global GreenTag) is not a medical professional organisation. Global GreenTag does not purport to provide medical advice, and makes no warranty, representation, or guarantee regarding the declaration that it provides in relation to any allergies, chemical sensitivities or any other medical condition, nor does Global GreenTag assume any liability whatsoever arising out of the application or use of any product or piece of equipment that has been chemically assessed by Global GreenTag.

The chemical assessments carried out provide transparent information peer reviewed by a consultant toxicologist regarding the chemical make-up and ingredients of certain materials and products, but such assessments are not to be taken as any form of medical assessment or health advice and are not targeted towards providing specific solutions to allergenic conditions or any other type of medical concerns.

Users must carry out their own investigations if they are concerned about specific medical conditions and the impact of certain products or ingredients in relation to specific medical concerns.

Global GreenTag takes no responsibility and is not liable in any way with respect to any medical or health issues arising from a person's use of materials or products that have been chemically assessed by Global GreenTag. Global GreenTag shall not be liable for any direct, indirect, punitive, incidental, special or consequential damages to property or life whatsoever, arising out of or connected with the use or misuse of any materials or products that have been assessed by Global GreenTag.

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	REACH Compliance	Ingredient Hazard Disclosure	Risk Assessment	In Use Health Assessment	Comment
Material: Brass Body and Adaptor								
Brass Alloy (CW724R)	Brass Alloy - CW724R	60-80%	None	OK				Alloy has been audited for AS/NSZ 4020 and NSF/ANSI 372:2022 and meets lead-free requirement for drinking water appliances. Recycled Content: None Nanomaterials: Unknown
Material: Steel Nut and Handle								
Steel Alloy (SS316)	Steel Alloy - SS316	20-30%	None	OK				Alloy has been audited for NSF/ANSI 372:2022 and meets lead-free requirement for drinking water appliances. Recycled Content: None Nanomaterials: Unknown
Material: PTFE								
Polytetrafluoroethylene	9002-84-0	0.01-1%	H319 (Eye Irrit. 2A) H335 (STOT SE 3 (Resp.)) H315 (Skin Irrit. 2) H372 (STOT RE 1)	OK				There are no human health concerns for the In-Use phase when used as a solid polymer tape in this product. Recycled Content: None Nano Materials: Unknown
Material: Rubber								
EPDM Rubber	Rubber Seal	0.01-1%	None	OK				This In-Use risk assessment scenario identifies No Concerns for human health. Recycled Content: None Nano Materials: Unknown
Material: PVC Paste								
Ethene, chloro-, homopolymer	9002-86-2	1-5%	H319 (Eye Irrit. 2A) H335 (STOT SE 3 (Resp.)) H315 (Skin Irrit. 2) H362 (Lact.), H400 (Aquatic Acute 1) H410 (Aquatic Chronic 1)	OK				PVC microplastics when ingested can induce potentially toxicity effects in humans at low levels. However, ingestion is highly unlikely when used in this building product during the In-Use phase because the substance is bound as a polymer. Currently, there are No Concerns identified for human health in the In-Use stage. Recycled Content: None Nano Materials: Unknown
1,2-Cyclohexanedicarboxylic acid, 1,2-diiisononyl ester	166412-78-8	0.01-1%	None	OK				The chemical is classified as a Grey Chemical based on some emerging research findings that suggest potential for thyroid disruption. Human impacts remain inconclusive. Based on available evidence, the highest risk is when this chemical contacts foods. Since the use of this chemical does not involve food contact the risk is low. A Human Health Comment is identified for this chemical based on the In-Use risk assessment scenario. Recycled Content: None Nano Materials: Unknown
Tributyl O-acetyl citrate	77-90-7	0.01-1%	None	OK				This In-Use risk assessment scenario identifies No Concerns for human health. Recycled Content: None Nano Materials: Unknown

Additive	Stabiliser	0.01-1%	None	OK				This In-Use risk assessment scenario identifies No Concerns for human health. Recycled Content: None Nano Materials: Unknown
Material: Grease								
Grease	Lubricant	0.01-1%	None	OK				The material is used at low levels. This In-Use risk assessment scenario identifies No Concerns for human health. Recycled Content: None Nano Materials: Unknown
Material: Adhesive								
3,3,5-trimethylcyclohexyl methacrylate	7779-31-9	0.01-1%	H411 (Aquatic Chronic 2), H319 (Eye Irrit. 2A) H335 (STOT SE 3 (Resp.)) H315 (Skin Irrit. 2) H317 (Skin Sens. 1)	OK				The hazards for this chemical are highest when a liquid, however as a dried solid and housed in the tap there is an unlikely risk of hazards and exposure. This In-Use risk assessment scenario identifies No Concerns for human health. Recycled Content: None Nano Materials: Unknown
2-hydroxyethyl methacrylate	868-77-9	0.01-1%	H315 (Skin Irrit. 2) H319 (Eye Irrit. 2) H317 (Skin Sens. 1)	OK				The hazards for this chemical are highest when a liquid, however as a dried solid and housed in the tap there is an unlikely risk of hazards and exposure. This In-Use risk assessment scenario identifies No Concerns for human health. Recycled Content: None Nano Materials: Unknown
Remaining Substances	Adhesive	0.01-1%	None	OK				This In-Use risk assessment scenario identifies No Concerns for human health. Recycled Content: None Nano Materials: Unknown

* No GHS H-Statement classification

Comments:
Other relevant information as necessary