

The logo features the words "Bio Yarn" in a white, sans-serif font. The word "Bio" is positioned to the left of "Yarn". Behind the word "Bio", there are several concentric circles in a light green color, creating a ripple effect. The entire logo is set against a dark green oval background.

Bio Yarn®

wear the change, fashion the future™

Wear the change, fashion the future

BIO-YARN TECHNOLOGY REDEFINES SYNTHETIC FIBRES TO PERFORM LIKE
NATURAL ONES- BUILT TO LAST, BUT NOT FOREVER

Abstract, flowing white lines that resemble waves or a stylized representation of fabric texture, set against a dark green background.

[BIO-YARN.COM](https://bio-yarn.com)

What is Bio-Yarn[®] technology?

Bio-Yarn technology is a patented textile additive that causes microplastics and synthetic fibres to rapidly biodegrade significantly reducing impact on the environment.

How does Bio-Yarn[®] work?

Bio-Yarn technology is an additive that changes the DNA of regular plastics, causing a reaction with microbes found in landfill. The microbes then consume the plastic polymers completely, biodegrading it into nutritional compost.

BioYarn specifically attracts microbes that will not only break the plastic fibres down, but fully digest them too. The microbes produce enzymes that allow them to completely digest plastic, while at the same time reproducing and making even more BioYarn loving microbes. The more microbes are produced, the faster our fabrics are digested. The way the microbes break down the fabric means that there's no microplastic particles left behind, only their own waste and a happier planet.

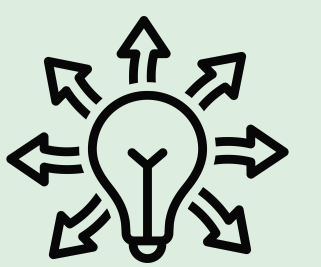
Why use Bio-Yarn[®] technology?

Superior Quality & Durability



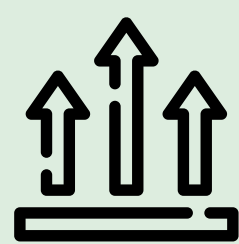
High quality without compromising on eco-friendliness.

Versatility



use across high fashion, athleisure & sportswear, casual wear and children's apparel.

Competitive Advantage



Stand out with sustainability factor.

Compliance with Regulations



Prepare for stricter environmental regulations.

Consumer Appeal



Attracts eco-conscious buyers.

* Biodegradation is activated only after prolonged exposure to moisture and microorganisms, assuring fibers and fabrics maintain their durability and performance during use.

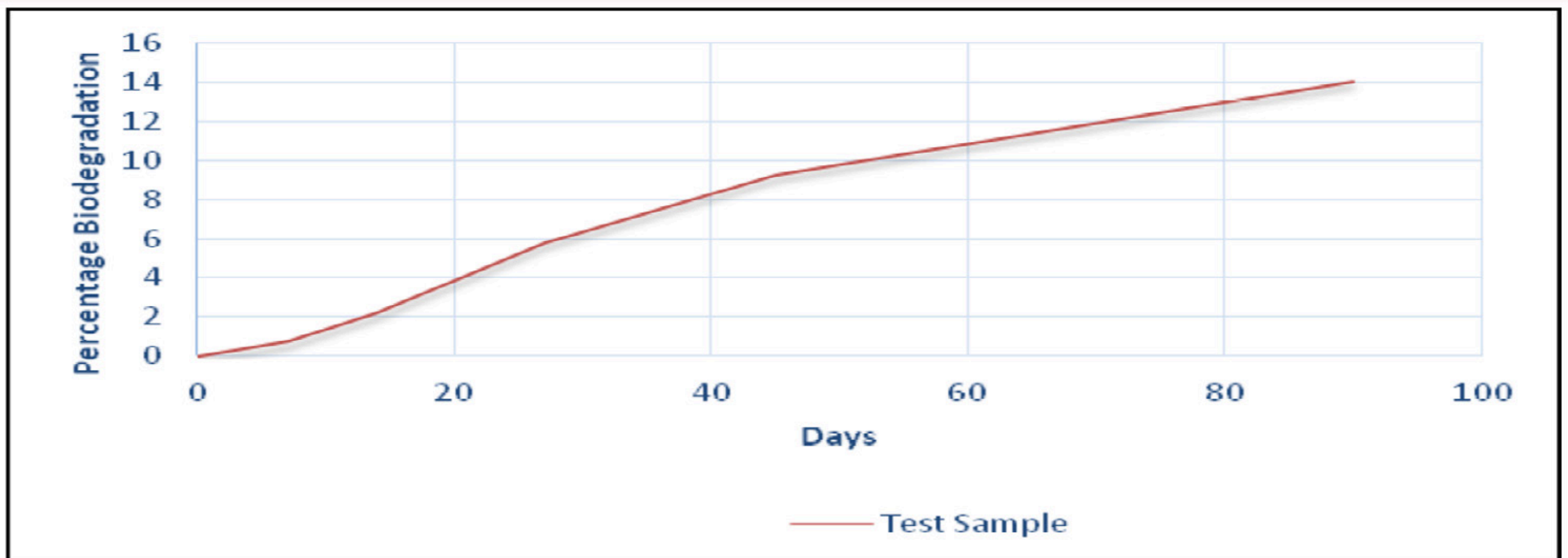
The issue

Synthetic microfibers are a significant contributor to microplastic pollution in our environment.

- People may ingest tens of thousands to millions of microplastics over their lifetime
- Each wash cycle can release up to 18 million microfibers from synthetic textiles
- Synthetic microfibers account for 35% of ocean microplastic pollution, equivalent to 50 billion plastic bottles each year
- Synthetic fabrics make up 65% of the global textile market



Proven



Standard Test Method For Determining Anaerobic Biodegradation Of Plastic Materials Under High-Solids Anaerobic-Digestion Conditions (ASTM D5511-18). Performed by Intertek

Tested

intertek

Total Quality. Assured.

To: Vital Health Innovations Limited

Attn: Dean Tollman

From: Intertek, Shenzhen

Dear customer:

Your products BioYarn/ VitalBio 100% Polyester Biodegradable Fabric has been tested and fulfilled the requirements of Intertek Green Leaf Certification. The certificate with number: GLF-08-APAC-23-1651 is now presented to you.

Tested item as follows:

- Biodegradation test

We hereby authorize the use of Intertek Green Leaf logo to promote the product within the certificate validity. Please see below rules for the use of logo:

1. Green Leaf logo is allowed to attach on products or its packing. It can be printed on the promotional items like brochure, poster, name card and trade show.

2. The Green Leaf logo can be resized, but the width shouldn't be less than 13mm (0.5") to ensure logo and relevant letters can be clearly read. Meanwhile, the logo should not predominate over the name of the manufacturer or company selling the product.

3. The Green Leaf logo must include certificate number. Claim statements could be quoted as appropriate, the font shall be Calibri.

For more information about the use of Green Leaf Logo, please refer to attached document "GLF-D03 Green Leaf Tested Mark and Label".

intertek

Total Quality. Assured.

To: Vital Health Innovations Limited

Attn: Dean Tollman

From: Intertek, Shenzhen

Mobile: +44(0)1707262200

Date: 2023-06-25

Intertek Congratulation Letter

Dear customer:

Your products BioYarn/ VitalBio 100% Polyester Biodegradable Fabric has been tested and fulfilled the requirements of Intertek Green Leaf Certification. The certificate with number: GLF-08-APAC-23-1651 is now presented to you.

Tested item as follows:

- Biodegradation test (ASTM D5511-18, ISO 15985 -14)

We hereby authorize the use of Intertek Green Leaf logo to promote the product within the certificate validity. Please see below rules for the use of logo:

1. Green Leaf logo is allowed to attach on products or its packing. It can be printed on the promotional items like brochure, poster, name card and trade show.

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Vital Health Innovations Limited

Unit 16, The IO Centre, Hearle Way, Hatfield AL10 9EW, United Kingdom

This is to prove the following product sold and manufactured by the company above have been tested by Intertek.

Green Leaf Certification

Scope of Evaluation:

Product: BioYarn / VitalBio 100% Polyester Biodegradable Fabric

The product has been independently tested in accordance with ASTM D5511-18 / ISO 15985-14.

- The biodegradation rate of the applied product was tested over 90 days as 14.04%.

Please refer to report no. HKGT05373993 and HKGT05374214 for details.

Number

GLF-08-EMEA-23-1651

Initial Issue Date

Jun 23, 2023

Revision Date

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Expiry Date

Jun 22, 2024

TESTED

Intertek

Calin Moldovean

President, Business Assurance

Intertek Testing Services Ltd., Shanghai Green Initiatives
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No. 889 Yishan Road,
Shanghai, China 200233

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The certificate remains the property of Intertek, to whom it must be returned upon request. In the issuance of this document, Intertek assumes no liability to any party other than to the Client and then only in accordance with the agreed upon Agreement. This certificate's validity is subject to the organization maintaining their system in accordance with Intertek's requirements for systems certification. Validity may be confirmed through <http://www.intertek.com.cn/service-rz-qivs.htm>

CT-GLF-Tested-UNACC-EN-LT-P-05 Mar 2019

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BIO-YARN.COM