

FOUR ELEMENTS
ENERGY BIOTECH. CO., LTD

三加一能量 科技股份有限公司

By Mavis Chen

主要優勢



為什麼要做？

如今，人們因考試、工作、疾病而面臨越來越大的壓力。高壓會導致睡眠模式失調、肩膀不適和自主神經系統失衡等症狀。



做什麼？

我們使用不同的元素來製造功能性紗線（**IMD**），為您帶來抗菌、調節溫度、輕鬆驅動您的身體機制、保護自己免受不適等。



怎麼做？

將 **99.9%** 純鋅和其他元素轉化為奈米顆粒(**液態金屬**)並將其嵌入母料中。奈米顆粒與纖維達到完美的連接，確保功能無限期保持有效。

三加一能量科技股份有限公司

升級Talent Yarn 為 I My Drive

2003

全世界面臨 SARS病毒.

發明將鋅融入紗線中
功能: 抗菌、涼感。

2009

全世界面臨, N1H1病毒和全球
暖化問題。

Talent Yarn

我們將鋅、石墨烯等材料混入紗線
中，為紗線帶來更多功能。

功能: 抗紫外線、抗靜電、除臭
調節溫度、遠紅外線。

2019-NOW

我們不斷從大自然中尋找有益元素，將其與我們的技術結合，以生產出
最好的功能性紗線。

I My Drive

將 99.9% 純鋅和其他元素轉化為奈米顆粒(液態金屬)並將其嵌入母料中。經過
多年的研究和不斷改進，紗線生產過程已達到穩定成熟的階段。

願力一、

帶領大家回歸自然。

人體需要來自大自然的元素來平衡身體和心靈。

願力二、

帶領大家達到身、心健康，減少藥物攝取，保護腎臟無負擔。





你可以做到的

每個人都專注於避開你不喜歡的的環境，有沒有想過可以增強你的免疫系統保護自己。



- 吃的好、吃的對
- 運動好處多
- 接觸大自然、接地
- 睡得好、睡的美





Talent yarn 2.0
Trace elements
Eco-friendly
Water conservation

Our yarn can be customized
to the developing your needs

FUNCTIONAL
POLYESTER
&
NYLON

I MY DRIVE



Anti-bacterial



Odor control



UV blocking



Retain warmth



Cool sensation



Far infrared



Stress relief



Anti-static



www.talentyarn.com



I My Drive 可以做到的

IMD 可以當你的盾牌
平時養身+ IMD = 更幸福、快樂的人生

- 抗菌
- 除臭
- 抗紫外線
- 涼感
- 保暖
- 遠紅外線
- 抗靜電
- 釋壓

紗線的規格

DTY 聚酯纖維/ 尼龍纖維

- 50D/72F
- 75D/72F
- 100D/144F
- 150D/144F
- 70D/48F
- 70D/72F
- 140D/96F
- 140D/144F



吊牌



一公斤紗線送一張吊牌

ACHIE- VEMENT

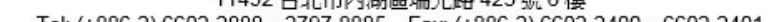
專利證書

經過多年研究，我們技術已成熟能將特定微量元素奈米化，植入紗線纖維中。



多種功能

一條紗線可以帶不同功能的組合。



Value

3+1



測試內容：

1. 消臭效能檢測-氨氣 (ISO 17299-2:2014, 檢知管法):

	結果 (µl/l)	
	試樣值 A	空白試樣值 B
1	5	83
2	5	83
3	5	83
	(A) 平均 = 5	(B) 平均 = 83
消臭效能(%)	94	

備註：消臭效能 = (B-A) / B x 100%
B = 未含待測物之空氣袋中的氨氣濃度平均值(µl/l)

Textile Laboratory

Test Report

No: TXA2511 /2016 /SP

Date: Nov. 03, 2016

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Test Results:

2. Transmittance or Blocking of Erythemally Weighted Ultraviolet Radiation through Fabrics (AATCC 183-2010)

As received

	Dry evaluation	Wet evaluation
Ultraviolet Protection Factor (UPF) :	130	130
Standard Deviation :	0.38	2.21
Rated UPF :	50+	50+
Protection Category :	Excellent	Excellent
Percent Transmittance, T (UV-A) :	0.90	1.44
Percent Transmittance, T (UV-B) :	0.49	0.33
The Percent Blocking, UV-A :	99.10	98.56
The Percent Blocking, UV-B :	99.51	99.67

Test was conducted in wavelength range : 280 – 400 nm
Instrument : UV – Vis Spectrophotometer model

報告號碼：TWNC01241598



Textile Laboratory

Test Report

No: TX60971A /2022 /LI

Date: June 23, 2022

Page 1 of 1

Four Elements Energy Biotechnology Co., Ltd.
2F-6, No. 150 Jilin Road, Taipei 10458, Taiwan

The following sample was submitted and identified by applicant as:

Sample Description	: One sample of I-Mydrive* knitted fabric
Color	: Light Blue
Fiber Content	: 100% Nylon
Applicant	: Four Elements Energy Biotechnology Co., Ltd.
Sample Receiving Date	: June 13, 2022
Test Performance Period	: June 13, 2022 to June 17, 2022
Test Performed	: Selected test(s) as requested by applicant.

Test Results:

Cool Feeling Textiles (FTTS-FA-019 - Version 3.0 Clause 3 & 4)

As received
Skin contact side(Back side)
Q-max(W/cm²) 0.195

Test Conditions: 1. Thermo Labo II B, TYPE : KES-F7
2. Room Temperature : 20±2℃, Humidity : 65±2%
3. Cool plate temperature: 25±0.1℃
Hot plate temperature: 35±0.1℃
4. Test as received sample as per client's request

Remark: Performance specification

Cool Feeling Textiles	
Knitted	≥ 0.130
Woven	≥ 0.170

Remark: Test results have been taken from report number No: TX60971 /2022 /LI, Date: June 17, 2022

*** End of Report ***

Signed for and on behalf of
SGS Taiwan Ltd.

Ronnie Chang
Chang Chia Hao, Ronnie
Technical Manager



"Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, and such sample(s) are retained for 1 month only." This test report cannot be reproduced, except in full, without prior written permission of the Company.
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持續涼感實驗

ASTM D7024-04

紡織織物、棉絮和其他材料的乾燥樣品因傳導而產生的總熱傳遞係數的測定，以及下文定義的溫度調節因子（TRF）的測定。

- 黃色線條為人體溫度
- 灰色線條為人體披上他牌涼感紗織成的布後的溫度
- 綠色線條為人體披上Talent cool系列紗織成的布後的溫度

TTRI 財團法人紡織產業綜合研究所
Taiwan Textile Research Institute



試驗報告
TEST REPORT

正本
ORIGINAL

日期
Date: Aug. 15, 2014

收件日期
Date of Receipt: Aug. 11, 2014

報告編號
Report No.: TP308472

數量
Quantity: 1PC

報告頁次／頁數
Page Order/Pages: (P1/1)

來文字號
Ref. No.: FE-14-16

報告抬頭
Report Title: FOUR ELEMENTS ENERGY BIOTECHNOLOGY CO., LTD.(T8726)

試件類別
Item: Knitted Fabric

地址
Address: 2F-6, .NO. 150, JILIN ROAD, TAIPEI 10458, TAIWAN, R.O.C.

Test Items	Test Results	Test Methods
Average temperature (°C)	31.5	ASTM D7024-2004(Modify)

Note: Sample description is given by the client: 90% SMELLESS NYLON (70D/68F), 135gm/m2

10% SPANDEX (20D). 135gm/m2

BUYER NO.: 14060060

ART NO.: ECO-1023



遠紅外線 的好處

- 活化瘀血
- 微改善循環
- 傷口止痛、癒合
- 排毒
- 皮膚健康
- 釋壓
- 增進睡眠品質
- 能量共振

資料來源: 台灣應用輻射與同位素雜誌
September 2007; Vol. 3 No3. P333-340

Test Item: Far IR emissivity
Brand Name: Four Elements Energy Biotechnology
Model: ---
Serial No.: 202209-1

Test Results and Descriptions

I. Test Results

1. Sample identification ^{Note 1}: 92% I-Mydrive Polyester 8% Spandex
2. Sample condition: The appearance of sample was shown in Figure 1

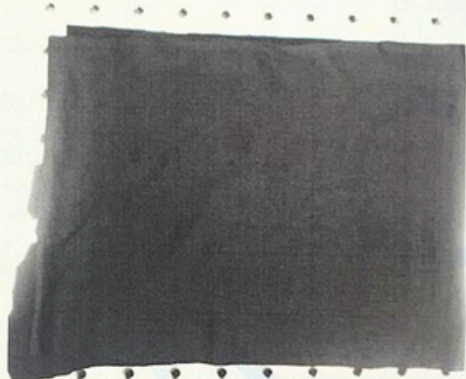



Figure1 Photo of test sample

3. Test Data ^{Note 2}

Measurement principle	Temperature (°C)	Total Normal Emissivity @ (8~14) μm	Total Normal Average Emissivity @ (8~14) μm
ASTM E1933-14 (2018)	33.9	0.92	0.92
	34.1	0.92	
	34.0	0.92	
	36.5	0.91	0.91
	36.4	0.90	
	36.5	0.91	
	45.6	0.89	0.89
	45.7	0.89	
	45.7	0.88	

Note 1: The test sample with its identification and information is provided by the client, and the test report is merely valid for this sample.

Note 2: The test report merely reflects the test results of the consigned matters of the client and is not a certification of functions of the related products. This report is for reference only and shall not be used for commercial promotion such as advertisements, publications, etc.



Look forward To hearing From You.

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