UMANA
Footwear Biomechanical Center

Extended Minimalist Index Validation (walk) - 24.02.2026

UMANA
Footwear Biomechanical Center (Healthcare Center for Biomechanics C-36-001498)

REPORTS
that the footwear line

Victoria - Duna (1187)





has an extended minimalist index greater than

90,7%

and obtains a classification of

BAREFOOT PURE FOOTWEAR

taking into account all the parameters involved (specified in the technical annex).

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UMANA guarantees the reliability of the tests performed under the strict **UMANA-IME:2025.11** laboratory protocol.
This protocol (which replaces the previous UMANA-IME:2023.01) is based on 50 international references, including worldwide anthropometric databases, scientific articles, and technical standards in biomechanics and footwear, and it was presented at the Spanish National Congress of Podiatry in 2025

UMANA, Footwear Biomechanics Center, holds the accreditations of Technology-Based Company (AS3400 2005/14), Healthcare Center for Biomechanical Analysis (C-36-001498), and Partner Center for Footwear Biomechanics Analysis at the NOVEX Technological Center (G26411207).
It is owned by UMANA INNOVA S.L. (Tax ID B-36970226), with its registered office at C/ Uruguay 5, Ground Floor, 36201 Vigo (Spain), and is registered in the Pontevedra Companies Register, Volume 3202, Page 209, First Entry of Sheet PO-40206.

Extended Minimalist Index Validation (walk) - 24.02.2026 - Technical Annex

Footwear data

Manufacturer	Calzados Nuevo Milenio S.L. (B26287037)				
Adress	C/ Doctor Ildefonso Zubia, 3 - Parque Empresarial La Maja - 26580, Arnedo (La Rioja)				
Brand	Victoria	**Footwear line**	Duna		
Reference (ID)	1187	**Size range**	[36-45]	**Size tested**	[38]
Product description	-	**Product Category**	unisex		
Models included	1187100				

Footwear assesment

BAREFOOT PURE FOOTWEAR — **%EMI ≥ 90,7%**



sole parameters

sole drop	**sole thickness**	**toespring angle**	**overall**
10/10	9,2/10	10/10	9,7/10
0 mm	10 mm	8º negligible	



fit parameters

toebox	**last width**	**tastener**	**overall**
9/10	9/10	10/10	9,2/10
foot-shaped	94,9mm wide	lace	



mechanical parameters

weight	**flexion**	**torsion**	**overall**
5,4/10	10/10	10/10	7,7/10
245 g	>360º	>360º	



stability/control systems

sole	**upper**	**insole**	**overall**
10/10	10/10	10/10	10/10
0 systems	0 systems	0 systems	

This report was prepared using footwear of EU size 38
The stability/control systems maintain their assessment for the other sizes.
The sole parameters may slightly vary its assessment in other sizes.
The fit parameters may slightly vary its assessment in other sizes.
The mechanical parameters may slightly vary its assessment in other sizes.

exceptional
excellent
great
good
satisfactory
poor

overall
9/10
exceptional

Biomechanical laboratory data

Laboratory	UMANA, Footwear Biomechanical Center	**Adress**	C/ Uruguay 5, Bajo - 36201, Vigo (Spain)
Company	UMANA INNOVA S.L.	**CIF**	B-36970226
Accreditations	Technology-Based Company (AS3400 2005/14) Healthcare Center for Biomechanical Analysis (C-36-001498) Partner Center for Footwear Biomechanics Analysis at NOVEX Technological Center (G26411207)		
Registry entry	Pontevedra Companies Register, Volume 3202, Folio 209, 1st Insc. of Page PO-40206		
Test protocol (UMANA-IME:2025.11)	UMANA guarantees the reliability of the tests performed under the strict UMANA-IME:2025.11 laboratory protocol. This protocol (which replaces the previous UMANA-IME:2023.01) is based on 50 international references, including worldwide anthropometric databases, scientific articles, and technical standards in biomechanics and footwear, and it was presented at the Spanish National Congress of Podiatry in 2025		
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