

Diatom Flora of the Low Countries

Amphora ovalis var. *tenuis* Z. Levkov 2009.

Morphology

Valves semi elliptical with smoothly arched dorsal margin and straight or slightly concave margin, valve ends obtusely rounded. Axial area moderately narrow, arched. Central area on dorsal side absent, broad fascia on the ventral side. Raphe branches biarcuate, proximal and distal raphe endings dorsally bend. Dorsal striae coarsely punctate, except striae in the middle of the valve which appears as transapical lines, radiate throughout. Ventral striae radiate in the middle, becoming convergent towards the valve ends, comprise single areola.

Morphometrics

Source	Length (µm)	Width (µm)	Striae (in 10 µm)
Own data (n=3)	47	11.4	D: 11 V: 11
Levkov 2009	44-55	8-11.5	D: 11-12 V: 9-11

Related species

A. ovalis var. *ovalis* (Kützing) Kützing (valve breadth, consistently wider); *A. ovalis* var. *lata* Levkov (wider valve breadth 15-22 µm)

Distribution

Afgedamde Maas Poederrijen, Lobith ponton, Haringvliet Oost, Twellose Beek (NL), Mombeek, Kanaal Brussel-Schelde (B).

Ecology

Freshwater, in eutrophic lakes and slow flowing rivers.

Ecological values

Indicator values (Van Dam et al. 1994)

R	H	N	O	S	T	M
	2				5	

IPS
(Cemagref 1982)

IPS-S	IPS-V

Rott et al. 1997, 1999

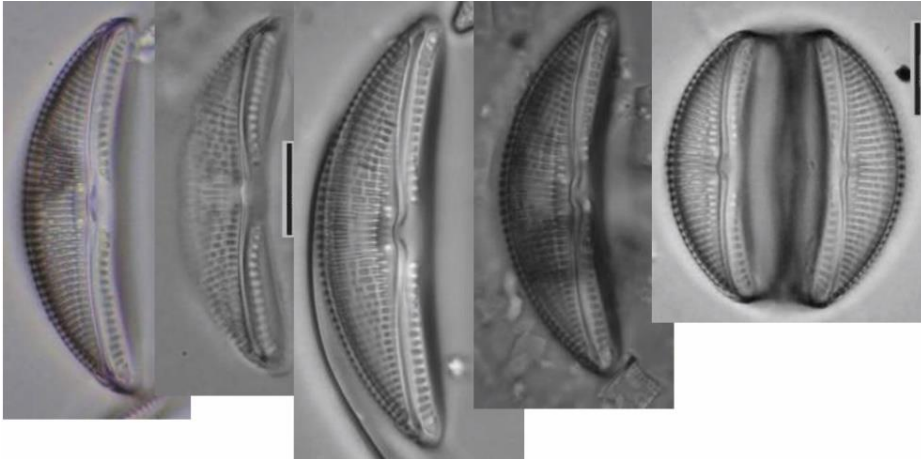
Rott SI s	Rott SI v	Rott TI s	Rott TI v

TDI
(Kelly & Whitton 1995)

TI-S	TI-V

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Remarks



The Netherlands

References:

Levkov, Z. (2009) *Amphora* sensu lato. Diatoms of Europe 5.

Citation:

Mertens A. (2022) *Amphora ovalis* var. *tenuis*. In Diatom Flora of the Low Countries. NVKD. Retrieved from <http://www.nvkd-diatom.nl/species>