

# Diatom Flora of the Low Countries

## *Amphora inariensis* K. Krammer 1980.

### **Morphology**

Valves semi-lanceolate with smoothly arched dorsal margin and ventral margin straight with inflation in the middle. Ends narrowly rounded and ventrally bent. Axial area narrow, slightly shifted to the center. Central area on dorsal side broad fascia reaching the valve margin; on ventral side slightly broader fascia. Raphe straight, proximal endings weakly dorsally bent. Dorsal striae radiate without punctation. Ventral striae radiate in the middle, convergent toward the valve ends.

### **Morphometrics**

Source	Length (µm)	Width (µm)	Striae (in 10 µm)	Areolae (in 10 µm)
Own data (n=10)	12-19	3.2-4.5	D: 15-18 V: 15-18	
Levkov 2009	15-28	3.5-6	D:15-17 V: 14-17	
Nagumo 2003	10-28	3.4-6	15-17	

### **Related species**

*Amphora indistincta* Levkov (striae composed of elongated areolae); *Amphora pediculus* (Kütz) Grunow (valve semi-elliptical, striae punctuated).

### **Distribution**

Poederrijen (Afgedamde Maas), Kuipersveer Oude Maas, Eijsden Boven Maas, Sliedrechtse Biesbosch, Gulden Aa Helmond, Gemaal de Krammerse Polders, Wiel 1 bij Hoeve Willem Alexander (NL); Kleine Nete, Demer, Ijse, Itterbeek, Lokanaal, Toeristische Leie, Dijle, Ophasseltbeek, Albertkanaal, IJzer, Lossing, Mombeek, Zwalm, Maarkebeek, Mark, Kalkenvaart, Brakeleiken, Jeker, Tappelbeek, Klein Wilboerebeek, Verbindingskanaal, Dender, Grote Molenbeek, Voer Leuven, Oude Avaart (B).

### **Ecology**

In oligo- to eutrophic lakes and peat-bogs.

### **Ecological values**

Indicator values (Van Dam et al. 1994)

R	H	N	O	S	T	M
3	2			2	7	

IPS

(Cemagref 1982)

IPS-S	IPS-V
5	1

Rott et al.1997, 1999

Rott SI s	Rott SI v	Rott TI s	Rott TI v
1.2	4	2.1	1

TDI

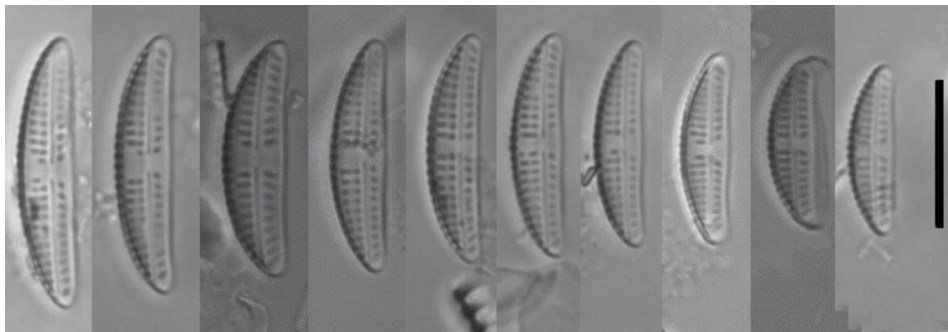
(Kelly & Whitton 1995)

TI-S	TI-V
4	1

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### Remarks



The Netherlands

### References:

- Levkov, Z. (2009) *Amphora* sensu lato. Diatoms of Europe 5.  
Lange-Bertalot, H., G. Hofmann, M. Werum & M. Cantonati (2017) Freshwater Benthic Diatoms of Central Europe.  
Nagumo, T. (2003) Taxonomic studies of the subgenus *Amphora*. Bibliotheca Diatomologica Band 49.

### Citation:

Mertens A. (2023) *Amphora inariensis*. In Diatom Flora of the Low Countries. NVKD. Retrieved from <http://www.nvkd-diatom.nl/species>