



Testing Institute  
for Wastewater  
Technology

## PERFORMANCE RESULTS

**August IR Ko**

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Lithuania

**EN 12566-3**

Results corresponding to the Irish National Annex for IS EN 12566-3

**Small wastewater treatment system VFL<sup>®</sup> bioreactor AT with filter**  
Modified continuous activated sludge process

Nominal organic daily load*	0.32	kg/d		
Nominal hydraulic daily load	1.20	m <sup>3</sup> /d		
Material	polypropylene			
Watertightness (water test)	pass			
Crushing resistance (calculation method)	pass (dry conditions)			
Durability	pass			
Treatment efficiency (nominal sequences)			Efficiency	Effluent
	COD		91.3 %	42 mg/l
	BOD <sub>5</sub>		98.1 %	5 mg/l
	NH <sub>4</sub> -N**		96.0 %	1.3 mg/l
	SS		98.8 %	3 mg/l
Electrical consumption	1.7	kWh/d		

\* at a test influent of  $\geq 300$  mg/l BOD<sub>5</sub> (mean)  
\*\* determined for temperatures  $\geq 12^{\circ}\text{C}$  in the bioreactor

Performance tested by:

**PIA – Prüfinstitut für Abwassertechnik GmbH**  
(PIA GmbH)  
Hergenrather Weg 30  
D-52074 Aachen

Certified according to  
ISO 9001:2008



Notified Body number: 1739



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Elmar Lancé

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