



Testing Institute  
for Wastewater  
Technology

## PERFORMANCE RESULTS

**Kingspan Environmental**  
College Road North,  
Aston Clinton, Aylesbury,  
Buckinghamshire, HP22 5EW, UK

part of  
which is

**Envirocare Pollution Control**  
Dundalk Road, Carrickmacross  
Co Monaghan Ireland

### EN 12566-3

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

### Small wastewater treatment system Biosafe Fluidised bed reactor process

Nominal organic daily load*	0.37	kg/d		
Nominal hydraulic daily load	1.20	m <sup>3</sup> /d		
Material	glass reinforced plastic (GRP)			
Watertightness	pass			
Crushing resistance	pass (also wet conditions)			
Durability	pass			
Treatment efficiency (nominal sequences)		Efficiency	Effluent	
	COD	90.1 %	58 mg/l	
	BOD <sub>5</sub>	95.5 %	12 mg/l	
	NH <sub>4</sub> -N**	88.2 %	3.4 mg/l	
	SS	93.4 %	21 mg/l	
Electrical consumption	1.8	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



This document replaces neither the declaration  
of conformity nor the CE marking.

Prüfinstitut für Abwassertechnik GmbH  
  
geprüft - tested - testé

Elmar Lancé

March 2012



Testing Institute  
for Wastewater  
Technology

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College Road North,  
Aston Clinton, Aylesbury,  
Buckinghamshire, HP22 5EW, UK

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which is

**Klargester Ireland**

Unit 1, Derryboy Road  
Carnbane Industrial Estate  
Newry, Co. Down BT35 6QH

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