

# Certificate



394.01C01

**Kingspan Water & Energy Ltd.**  
College Road North, HP22 5EW Aylesbury, United Kingdom

**EN 12566-3, Annex B**  
Small wastewater treatment systems for up to 50 PT

**Small wastewater treatment system BTA BioTec**  
Aerobic biological trickling filter in one GRP tank

Test report PIA2021-394B09

## *Evaluation of the nominal sequences of the 38-week testing*

Nominal organic daily load (influent)	0.31 kg BOD <sub>5</sub> /d		
Nominal hydraulic daily load	0.9 m <sup>3</sup> /d		
Material	GRP		
Treatment efficiency		Efficiency	Effluent
	COD	92.4 %	65 mg/l
	BOD <sub>5</sub>	96.2 %	13 mg/l
	TN <sub>b</sub> *	63.2 %	19.6 mg/l
	NH <sub>4</sub> -N*	82.4 %	6.4 mg/l
	P <sub>tot</sub>	36.6 %	4.8 mg/l
	SS	97.0 %	11 mg/l

## *Evaluation of the complete 38-week testing*

Electrical consumption	1.5 kWh/d
Number of desludging	1

\* determined for temperatures  $\geq 12^{\circ}$  C in the bioreactor

Tested by:

**PIA – Prüfinstitut für Abwassertechnik GmbH**  
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This document replaces neither the declaration of performance nor the CE marking.



PIA - Sustainable Certification

*Martina Wermter*  
geprüft - tested - teste

Martina Wermter

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