



Certificate

423.01C02

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

On the basis of EN 12566-3, Annex B
Small wastewater treatment systems for up to 50 PT

Small wastewater treatment system BioAir
Activated sludge system

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

Nominal organic daily load (influent)	0.32 kg BOD ₅ /d		
Nominal hydraulic daily load	0.9 m ³ /d		
Material	MDPE		
Treatment efficiency		Efficiency	Effluent
	COD	93.2 %	57 mg/l
	BOD ₅	97.5 %	9 mg/l
	TN _b **	60.1 %	25.4 mg/l
	NH ₄ -N**	67.6 %	15.6 mg/l
	P _{tot}	46.9 %	4.3 mg/l
	SS	95.9 %	16 mg/l

Evaluation of the complete 38-week testing*

Electrical consumption 1.2 kWh/d

* second phase nominal – power breakdown was substituted by an additional test phase

** 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.



Martina Wermter

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Notified Body
No.: 1739

