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 ≥ 12 ° C in the bioreactor*

Tested by:

PIA – Prüfinstitut für Abwassertechnik GmbH
(PIA GmbH)
Hergenrather Weg 30
52074 Aachen, Germany

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

PIA – Sustainable Certification
geprüft – tested – testé

Martina Wermter March 2023

Notified Body
No.: 1739

DAkkS
Deutsche Akkreditierungsstelle
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