



Certificate

Nr. 458.01C01

BioTec +

Sequential Batch Reactor System

Kingspan Water & Energy Ltd.

College Road North, HP22 5EW Aylesbury, United Kingdom

EN 12566-3:2005+A2:2013, Annex B: Treatment efficiency test

Small wastewater treatment systems for up to 50 PT – Part 3:

Packaged and/or site assembled domestic wastewater treatment plants

Detailed results and information on the test are provided in test report PIA2024-458B26.



Extract of performance details (EN 12566-3, Annex B: Treatment efficiency test)

Organic daily load (influent, nominal) 0.30 kg BOD₅/d

Hydraulic daily load (nominal) 0.9 m³/d

Treatment efficiency (nominal)	Efficiency	Effluent
COD	95.9 %	32 mg/l
BOD ₅	98.5 %	5 mg/l
TN _b	75.5 %	15 mg/l
NH ₄ -N	83.6 %	8.3 mg/l
P _{tot}	60.8 %	3.5 mg/l
SS	97.6 %	9 mg/l

Electrical consumption (nominal) 0.61 kWh/d

Number of desludging (complete test – 40.5 weeks) 1

Number of maintenance operations during the test (without start-up phase) 1

Tested by:

PIA – Prüfinstitut für Abwassertechnik GmbH

Hergenrather Weg 30

52074 Aachen, Germany

This certificate is for information purposes only and replaces neither the related test report nor the declaration of performance or the CE marking. The results relate only to the tested object.

PIA – Sustainable Certification

[Signature]
geprüft – tested – testé

June 2024, Dipl.-Ing. Gabriel Schatzki
Head of department "Wastewater Treatment"



Notified Body
No.: 1739



Certified according to
ISO 9001:2015