



Certificate

Nr. 208.01C12

one2cleanXtra +P

SBR plant with phosphorous precipitation in one two-zone tank

Otto Graf GmbH

Carl-Zeiss-Str. 2-6, 79331 Teningen, Germany

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 PIA2014-208B15.e.



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

Organic daily load (influent, nominal) 0.24 kg BOD₅/d
Hydraulic daily load (nominal) 0.75 m³/d

Treatment efficiency (nominal)	Efficiency	Effluent
COD	94.7 %	36 mg/l
BOD ₅	98.1 %	6 mg/l
TN _b *	86.8 %	9.1 mg/l
NH ₄ -N*	88.7 %	4.6 mg/l
P _{tot}	95.1 %	0.4 mg/l
SS	95.7 %	14 mg/l

Electrical consumption (complete test without start-up phase) 0.64 kWh/d
Number of desludging (complete test with start-up phase) 1
Number of maintenance operations during the test (without start-up phase) 0

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

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

geprüft – tested – teste

October 2024, Dipl.-Ing. Gabriel Schatzki
Head of department "Wastewater Testing"



Notified Body
No.: 1739



Certified according to
ISO 9001:2015