



Prüfinstitut für  
Abwassertechnik  
GmbH

## PERFORMANCE RESULTS

**Otto Graf GmbH**

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

**EN 12566-3**

Small wastewater treatment systems for up to 50 PT

**Small wastewater treatment system one2clean**

SBR plant in one two-zone polypropylene tank

Test report PIA2014-216B14.01.e

|                                          |                      |            |          |
|------------------------------------------|----------------------|------------|----------|
| Nominal organic daily load*              | 0.27                 | kg/d       |          |
| Nominal hydraulic daily load             | 0.75                 | m³/d       |          |
| Material                                 | polypropylene        |            |          |
| Treatment efficiency (nominal sequences) |                      | Efficiency | Effluent |
|                                          | COD                  | 94.2 %     | 43 mg/l  |
|                                          | BOD <sub>5</sub>     | 98.0 %     | 7 mg/l   |
|                                          | SS                   | 96.3 %     | 14 mg/l  |
|                                          | NH <sub>4</sub> -N** | 98.3 %     | 0.5 mg/l |
|                                          | N <sub>tot</sub> **  | 87.0 %     | 7.9 mg/l |
|                                          | P <sub>tot</sub>     | 80.2 %     | 1.6 mg/l |
| Electrical consumption                   | 0.63                 | kWh/d      |          |

\*at a test influent of  $\geq 300$  mg/l BOD<sub>5</sub> (mean)

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

Performance tested by:

**PIA – Prüfinstitut für Abwassertechnik GmbH**

(PIA GmbH)

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This document replaces neither the declaration  
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Prüfinstitut für Abwassertechnik GmbH  
  
geprüft - tested - testé

Elmar Lancé

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