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Testing Institute  
for Wastewater  
Technology

## PERFORMANCE RESULTS

**Otto Graf GmbH**

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

**EN 12566-3**

Results corresponding to the Irish National Annex for IS EN 12566-3

**Small wastewater treatment system KLARO E**  
Sequential Batch Reactor (SBR)

|  |                      |                       |          |  |
|--|----------------------|-----------------------|----------|--|
| Nominal organic daily load*  | 0.39                 | kg/d                  |          |  |
| Nominal hydraulic daily load   | 1.20                 | m <sup>3</sup> /d     |          |  |
| Material   |                      | polypropylene         |          |  |
| Watertightness (vacuum test)   |                      | pass                  |          |  |
| Crushing resistance (vertical load test)                                   |                      | pass (dry conditions) |          |  |
| Durability   |                      | pass                  |          |  |
| Treatment efficiency (nominal sequences)                                   |                      | Efficiency            | Effluent |  |
|  | COD                  | 91.9 %                | 51 mg/l  |  |
|  | BOD <sub>5</sub>     | 95.9 %                | 12 mg/l  |  |
|  | NH <sub>4</sub> -N** | 65.6 %                | 12 mg/l  |  |
|  | SS                   | 94.4 %                | 20 mg/l  |  |
| Electrical consumption   | 0.95                 | 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)  
Hergenrather Weg 30  
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Certified according to  
ISO 9001:2008



Notified Body number: 1739



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

Elmar Lancé

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