



STATYBOS PRODUKCIJOS  
SERTIFIKAVIMO CENTRAS

## PERFORMANCE RESULTS

Reovesi OÜ

EN 12566-3:2005+A2:2013

“Small wastewater treatment systems for up to 50 PT-Part 3”

### Small wastewater treatment system Reovesi-bio7

Plant consists of 1 horizontal tank.

Biological waste water treatment process with activated sludge

|                              |                        |
|------------------------------|------------------------|
| Nominal hydraulic daily flow | 0,65 m <sup>3</sup> /d |
| Material                     | polyethylene           |
| Watertightness               | pass                   |

Treatment efficiency ratios (at tested organic daily load BOD<sub>5</sub> 0,228 kg/d)

|                    | Efficiency (%) | Effluent (mg/l) |
|--------------------|----------------|-----------------|
| BOD <sub>5</sub>   | 98,3           | 5,82            |
| COD                | 95,3           | 32,9            |
| SS                 | 98,1           | 6,50            |
| N <sub>ki</sub>    | 97,4(97,7*)    | 2,11(2,12*)     |
| N <sub>tot</sub>   | 29,0(42,2*)    | 56,9(54,1*)     |
| P                  | 30,0           | 5,51            |
| NH <sub>4</sub> -N | 99,4(99,5*)    | 0,449(0,480*)   |
| NO <sub>2</sub> -N |                | 0,726(0,816*)   |
| NO <sub>3</sub> -N |                | 54,1(51,1*)     |

Electrical energy consumption: 1,71kWh/d is average rate during nominal sequences.  
1,71 kWh/d is average rate during all test period.

Number of desludging 0

\* - values from calculation are excluded if temperatures in the reactor are below 12 °C

Performance tested by:

**SPSC - Statybos produkcijos sertifikavimo centras**

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May 2020

Reg. Nr. 44\_2020