



1739 / 1235

ATB WATER GmbH, Südstraße 2, D-32457 Porta Westfalica

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DoP-12566-3-PUROOcomplete_P-WC

EN 12566-3:2005+A2:2013

Treatment of domestic wastewater for a population of 5 resp. 10 PT
PUROO® Complete P

Effectiveness of treatment, as: Treatment efficiency

Treatment efficiency ratios [%] (tested organic daily load 0.28 kg BOD ₅ /d)	COD	95.9 (34 mg/l)
	BOD ₅	98.2 (6 mg/l)
	NH ₄ -N	91.0 (2.6 mg/l)
	N _{total}	81.4 (11 mg/l)
	P _{total}	94.1 (0.4 mg/l)
	SS	97.1 (10 mg/l)

Treatment capacity as: Designation

Nominal organic daily load	0.36 kg BOD ₅ /d
Nominal hydraulic daily flow (Q _N)	0.9 m ³ /d

Watertightness (watertest)

Pass

Crushing resistance and maximum load deformation as:

Load bearing capacity	Maximum allowed height of backfill: 2.00 m; WET: 3.32m (5 PT) / 3.71m (10 PT)	
Durability	Pass	EN ISO 1133:2005; EN ISO 1183; EN ISO 572-2
Reaction to fire	NPD	

Verifikation

REPORT NUMBER:
343859-1



**DANISH
TECHNOLOGICAL
INSTITUTE**

Teknologiparken
Kongsvang Allé 29
DK-8000 Aarhus C
+45 72 20 20 00

Info@teknologisk.dk
www.teknologisk.dk

Side 1 af 1
Init.: ALSN/UHI
Ordrenr.: 343859-1
Bilag: 1

Rekvirent: WaterCare ApS
Stejlebjergvej 14
5610 Assens

Emne: Gennemgang og verifikation af beregning for minirenselanlæg 5PE.

Dokumentation: Rekvirenten har sendt beregninger for 1 tank til gennemgang d. 25-09-2025 samt d. 10-10-2025. Dokument navn: "Beregning DOP Minirenselanlæg 5PE".

Metode: EN 12566-1:2016: Small wastewater treatment systems for up to 50 PT – PART 1: Prefabricated septic tanks.
EN 12566-3:2016: Small wastewater treatment systems for up to 50 PT – PART 3: Packaged and/or site assembled domestic wastewater treatment plants.

Resultat: Beregninger er udført iht. de ovenfor nævnte standarder.
Maksimalt jordfyld over tank gældende for våd/tør jord: 2,0 m.
Maksimalt tilladte vandsøjle målt fra bund tank: 3,32 m.

Bemærkninger: Beregninger og dokumentation er gennemgået fra d. 08-10-2025 til d. 10-10-2025.

Vilkår: Prøvningen er udført akkrediteret i henhold til internationale krav (ISO/IEC 17025:2017), og i henhold til Teknologisk Instituts almindelige vilkår. Prøveresultaterne gælder udelukkende for det prøvede emne. Prøvningsrapporten må kun gengives i uddrag, hvis Teknologisk Institut skriftligt har godkendt uddraget.

Lokation: 23-10-2025, Teknologisk Institut, Byggeri og Anlæg, Aarhus

Signatur: Dette dokument er kun gyldigt med digital signatur fra Teknologisk Institut. Udstedelsesdato fremgår af den digitale signatur. Godkendt og signeret af:

Udførende:

Allan Nielsen
Specialist

Medlæser:

Ulrik Hindsberger
Centerprojektleder



 **DANAK**
Test Reg. No. 2
CPR NB 1235



Test Report

REPORT NO:
336359

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Order no.: 336359
Appendix: 4

Customer:	Company: Watercare ApS Address: Stejlebjergvej 14 City: DK-5610 Assens
Material and sampling:	Two small wastewater treatment plants from Watercare ApS Tank G and Tank I with ø110 mm inlets and outlets. Both tanks have two ø630 mm access opening. Illustrations of the two small wastewater treatment plants are shown in appendix 1.
Method:	The test and review of the Nominal capacity (volume) were carried out according to: EN 12566-3:2016 • Design and Overall dimensions, clause 4.1 and 4.1.5
Period:	The test and review of calculations were carried out in August 2025. The test of the Nominal Capacity of Tank G was carried out on a factory-made tank in Assens at Watercare, see pictures from the testing in appendix 2. Calculations for the Tank I have been performed by Watercare and checked by the Danish Technological Institute, see calculations in appendix 3.
Result:	The test shows that the two small wastewater treatment plants from Watercare have volumes of: - The Tank G by testing: 3665 liters = 3,665 m³ - The Tank I by calculations: 6728 liters = 6,728 m³
Terms:	This analysis/test was conducted accredited in accordance with international requirements (ISO/IEC 17025:2005) and in accordance with the General Terms and Conditions of Danish Technological Institute. The test results solely apply to the tested item. This analysis report/ test report may be quoted in extract only if Danish Technological Institute has granted its written consent.
Place:	Dato 28.08.2025, Teknologisk Institut, Taastrup, Pipe Centre
Signatur:	Ulrik Hindsberger Project leader - Executive Mikkel Lundahl Consultant - Fellow reader

