

PERFORMANCE RESULTS

Premier Tech Aqua GmbH

Bei der neuen Münze 11, 22145 Hamburg, Germany

EN 12566-3, Annex B

Small wastewater treatment systems for up to 50 PT 3

Small wastewater treatment system Solido SMART

One-chamber SBR system in one PE tank

Test report PIA2015-239B22.e

Nominal organic daily load	0.30 kg BOD5/d	
Nominal hydraulic daily load	0.90 m ³ /d	
Material	Polyethylene	
Watertightness (Annex A)	pass	
Structural behaviour (Pit Test)	pass (also wet conditions)	
Durability	pass	
Treatment efficiency (nominal sequences)	Efficiency	Effluent
	COD	95.1 % 39 mg/l
	BOD ₅	98.5 % 5 mg/l
	SS	97.1 % 13 mg/l
	NH ₄ -N	98.0 % 0.7 mg/l
	N _{tot}	83.1 % 10 mg/l
	P _{tot}	68.5 % 2.3 mg/l
Electrical consumption	0.81 kWh/d	

Performance tested by:

PIA – Prüfinstitut für Abwassertechnik GmbH

(PIA GmbH)

Hergenrather Weg 30

52074 Aachen, Germany

This document replaces neither the declaration of performance nor the CE marking.



Notified Body
No.: 1739



Certified according to
ISO 9001:2008



Deutsche
Akkreditierungsstelle
D-PL-17712-01-00

Prüfinstitut für Abwassertechnik GmbH
[Signature]
geprüft - tested - testé

Elmar Lancé

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