

Prüfinstitut für Abwassertechnik GmbH

*Prüfeinrichtung des Prüf- und Entwicklungsinstituts
für Abwassertechnik an der RWTH Aachen*



NB 1739



DIN EN ISO 9001:2008

Report on the Functional Test of the AquaLoop MEM System for Greywater Treatment

of

INTEWA GmbH

Test report – No. PIA2012-GW-1203-1020

Aachen, April 2012

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Table 6: Waste water quality of the influent and effluent of the AquaLoop MEM System in comparison to the requirements of NSF/ANSI 350

influent		mean value	NSF requirement	comparison
temperature	°C	19,0	25 - 35	<
COD tot	mg/l	242	250 - 400	<
COD fil	mg/l	152	-	ok
COD part	mg/l	81	AFS 80-160	(ok)
BOD 5	mg/l	136	130 - 180	ok
pH		7,9	6,5 - 9	ok
conductivity	µS/cm	581	-	-
turbidity	NTU	29	50 - 100	<<
Ptot	mg/l	1,1	1,0 - 3,0	ok
Ntot	mg/l	4,4	3,0 - 5,0	ok
total coliforms	n/100ml	299 - >24.000	1.000 - 10.000	k.A.
e.coli	n/100ml	58	100 - 1.000	<
effluent		mean value	NSF requirement R/C class	comparison
temperature	°C	15,5	-	-
COD tot	mg/l	73	-	-
BOD 5	mg/l	25	10/10	not ok
pH		7,8	6-9	ok
conductivity	µS/cm	600	-	-
turbidity effluent membrane	NTU	0,5	5/2	ok
turbidity effluent clear water tank	NTU	1,8	5/2	ok
Ptot	mg/l	0,4	-	-
Ntot	mg/l	1,3	-	-
total coliforms effluent membrane	n/100ml	72 - >2.400	-	-
e. coli effluent membrane	n/100ml	< 1	14/2.2	ok
total coliforms effluent clear water tank	n/100ml	37	-	-
e. coli effluent clear water tank	n/100ml	< 10	14/2,2	ok/k.A.