

APPENDIX A

Table A.1: AnMBR effluent (microalgae substrate) characteristics

Parameter	Unit	Mean \pm SD	n
NH ₄ -N	mg N·L ⁻¹	47.1 \pm 7.2	16
NO ₂ -N	mg N·L ⁻¹	0.9 \pm 0.8	16
NO ₃ -N	mg N·L ⁻¹	4.5 \pm 2.5	16
PO ₄ -P	mg P·L ⁻¹	5.2 \pm 0.6	16
N:P	molar ratio	20.1 \pm 1.7	16
COD	mg COD·L ⁻¹	76 \pm 9	5
BOD	mg O ₂ ·L ⁻¹	29 \pm 4	5
Alk	mg CaCO ₃ ·L ⁻¹	613 \pm 36	5
VFA	mg COD·L ⁻¹	1.4 \pm 0.9	5
SO ₄	mg SO ₄ ·L ⁻¹	40.9 \pm 3.9	5
H ₂ S	mg S·L ⁻¹	75 \pm 6	5
Turbidity	NTU	52 \pm 36	16

NH₄-N: ammonium; NO₂-N: nitrite; NO₃-N: nitrate; PO₄-P: phosphate; N:P: nitrogen:phosphorus ratio; COD: chemical oxygen demand; BOD: biochemical oxygen demand; Alk: alkalinity; VFA: volatile fatty acids; SO₄: sulphate; H₂S: Sulphide.