

Table S1. Culture media formulas used in the effect test of different wastewater concentrations on the growth of *A. platensis*.

	Control	12.5% (v/v) mixed WCP	25% (v/v) mixed WCP	50% (v/v) mixed WCP
WCP (%)	0	12.5	25	50
NaNO ₃ (g/L)	3.302	2.476	1.651	0
KH ₂ PO ₄ (g/L)	0.133	0.100	0.067	0
NaHCO ₃ (g/L)	6.00	6.00	6.00	6.00
MgSO ₄ •7H ₂ O (g/L)	0.20	0.20	0.20	0.20
CaCl ₂ •2H ₂ O (g/L)	0.04	0.04	0.04	0.04
K ₂ SO ₄ (g/L)	1.00	1.00	1.00	1.00
NaCl(g/L)	1.00	1.00	1.00	1.00
EDTANa ₂ (mg/L)	10.00	10.00	10.00	10.00
FeSO ₄ •7H ₂ O(mg/L)	5.00	5.00	5.00	5.00
A5 (ml/L)	1.00	1.00	1.00	1.00
B6 (ml/L)	1.00	1.00	1.00	1.00