

Table 2 Water quality parameters during 14 weeks experimental period (Mean \pm SE)

Treatment	Water Temp.(°C)	DO(mg L ⁻¹)	pH	TAN*	Unionized ammonia (mg L ⁻¹)
1	23.81 \pm 0.84	5.98 \pm 0.33	7.67 \pm 0.12	0.32 \pm 0.31	0.0057
2	24.11 \pm 0.87	6.13 \pm 0.36	7.71 \pm 0.13	0.467 \pm 0.29	0.0084
3	24.13 \pm 0.87	6.03 \pm 0.28	7.81 \pm 0.14	1.03 \pm 0.02	0.0184
4	23.91 \pm 0.87	6.02 \pm 0.31	7.33 \pm 0.14	1.30 \pm 0.13	0.0233
5	24.27 \pm 0.86	6.12 \pm 0.31	7.30 \pm 0.16	1.98 \pm 1.25	0.0354

Note: *TAN = Total ammonia-nitrogen in mg L⁻¹