

Supplementary Materials

Table S1. Initial and final pH measured during digestate pre-treatment using various doses of activated carbon (AC). For the variation of pH, different letters indicate statistical differences among different AC concentrations ($p < 0.05$).

AC concentration (g/L)	pH	pH variation (%)
0	8.50 ± 0.03	-
5	8.57 ± 0.02	- 0.8 ± 0.2 ^a
10	8.58 ± 0.00	- 0.9 ± 0.0 ^a
25	8.60 ± 0.00	- 1.3 ± 0.0 ^{ab}
50	8.63 ± 0.03	- 1.6 ± 0.3 ^{bc}
100	8.67 ± 0.00	- 2.0 ± 0.0 ^c

Table S2. Ammonium concentration variations observed during digestate pre-treatment using various doses of activated carbon (AC). The same letter indicate no statistical differences were observed among the different AC doses ($p < 0.05$).

AC concentration (g/L)	NH ₄ -N (mg/L)	NH ₄ -N removal (%)
0	4405 ± 79	-
5	4357 ± 265	1.1 ± 6.0 ^a
10	4269 ± 164	3.1 ± 3.7 ^a
25	4337 ± 192	1.6 ± 4.4 ^a
50	4220 ± 141	4.2 ± 3.2 ^a
100	4255 ± 203	3.4 ± 4.6 ^a