

Table 1- Initial characteristics of dairy manure (60 g SV/l).

pH	COD _{sup}	COD _{VFA}	TKN	N-NH ₄ ⁺	OC _{sup}
7.5	19,975	8354	1190	682	7256

All concentrations expressed in mg/l.

Table 2- Changes in 60 g VS/l dairy manure main parameters with time at 20°C and 35°C

Day	0	5	10	15	20	25
20°C						
pH	7.5	6.5	6.4	6.2	6.3	6.3
COD _{sup} (mg/l)	19,975	20,470	21,176	22,148	24,513	25,680
COD _{VFA} (mg/l)	8354	11,625	13,580	13,667	14,500	17,275
OC _{sup} (mg/l)	7256	7783	8058	8525	8823	9243
IC _{sup} (mg/l)	538	190	245	164	185	237
V _{CH4} acc. (ml)	0	343	583	681	705	725
COD _{CH4} acc. (mg/l)	0	509	865	1011	1046	1076
N-NH ₄ ⁺ (mg/l)	682	780	1024	1096	1199	1295
TKN (mg/l)	1190	1305	1342	1510	1549	1608
35°C						
pH	7.5	6.3	6.2	6.1	6.3	6.8
COD _{sup} (mg/l)	19,975	28,950	29,050	29,222	29,476	26,935
COD _{VFA} (mg/l)	8354	16,988	18,543	21,826	22,430	21,204
OC _{sup} (mg/l)	7256	10,885	11,562	10,666	11,378	9670
IC _{sup} (mg/l)	538	156	133	100	125	215
V _{CH4} acc. (ml)	0	645	832	962	1034	1724
COD _{CH4} acc. (mg/l)	0	957	1235	1428	1535	2559
N-NH ₄ ⁺ (mg/l)	682	1421	1472	1423	1461	1492
TKN (mg/l)	1190	1528	1673	1802	1794	1845