

Table 1:

R	L/S in reaction zone	L/S in neutralization zone
6%	0.8	4.2
8%	1	7.7
10%	2	14.3

Table 2:

% dry weight basis	BS	CE-6	FE-6	CE-8	FE-8	CE-10	FE-10
Cellulose	39.1 ± 0.7	36.2 ± 0.6	41.3 ± 0.6	36.6 ± 0.4	45.6 ± 0.7	36.6 ± 0.4	45.5 ± 0.5
Glucose	43.0 ± 0.7	39.8 ± 0.6	45.6 ± 0.7	40.3 ± 0.5	50.2 ± 0.8	40.3 ± 0.5	50.1 ± 0.5
Hemicellulose	25.7 ± 0.7	23.8 ± 0.4	25.4 ± 0.2	24.6 ± 0.5	28.6 ± 0.4	24.2 ± 0.1	29.4 ± 0.9
Xylose	23.8 ± 0.6	22.3 ± 0.2	24.7 ± 0.2	23.0 ± 0.4	27.8 ± 0.3	24.3 ± 0.2	28.8 ± 0.1
Lignin	15.2 ± 0.8	13.9 ± 0.5	15.7 ± 0.1	14.6 ± 0.1	17.0 ± 0.1	16.1 ± 0.2	17.6 ± 0.1
Ash	6.8 ± 0.4	12.8 ± 0.5	4.3 ± 0.3	13.2 ± 0.1	4.5 ± 0.1	14.3 ± 0.1	4.5 ± 0.6

BS – barley straw; CE – complete extrudate; FE – filtered extrudate; 6, 8 and 10 – g NaOH/100g dry BS

Table 3:

g/l	F-6	F-8	F-10
Glucose	2.1	1.5	1.1
Xylose	3.9	3.4	4.9
Acetic acid	3.8	3.3	4.0
Phenols	0.08	0.17	0.19