

Characteristics of sugarcane bagasse (with and without addition of zeolite and NaOH)

Parameters	Biomass:Zeolite:NaOH			
	100:0:0 (R0)	98.4:0.1:1.5 (R1)	97.7:0.3:2.0 (R2)	97:0.5:2.5 (R3)
Cellulose (%)	32.09	35.84	31.26	36.43
Hemicellulose (%)	25.91	25.34	22.45	23.38
Lignin (%)	15.06	10.32	12.41	12.41
Silica (Si) (%)	4.88	4.58	4.35	4.16
Moisture content (%)	5.35	6.17	6.27	6.38
C (%)	41.70	41.20	43.70	41.90
H (%)	5.80	5.78	6.12	5.88
O (%)	51.38	51.84	49.17	51.17
N (%)	0.62	0.68	0.51	0.55
S (%)	< 0.50	< 0.50	< 0.50	< 0.50