

Table 1

	Raw material	Extrudate
Moisture content (%)	6	63
Composition (% dwb)		
Cellulose	39.1 ± 0.6	44.6 ± 1.5
Hemicellulose	25.7 ± 0.3	28.2 ± 0.8
Xylan	21.1 ± 0.2	23.6 ± 0.8
Arabinan	3.3 ± 0.05	3.5 ± 0.08
Galactan	1.3 ± 0.03	1.1 ± 0.03
Lignin	16.4 ± 0.07	17.2 ± 1.3
Ash	6.8 ± 0.2	4.5 ± 0.2

Table 2

Liquid Fraction	
pH	4.8
Dissolved solids (% w/w)	2.6
Sugar concentration* (g/l)	
Glucose	1.8
Xylose	1.2
Arabinose	0.6
Galactose	0.4
Sugar recovery* (g/100g DM BS)	
Glucose	2.4
Xylose	1.5
Arabinose	0.8
Galactose	0.6

*In both monomeric and oligomeric form

Table 3

Bioextrudate as a whole	%Solid recovery (g/100g DM extrudate)	Bioextrudate solid content (% dwb)	Composition					
			(% dwb of whole bioextrudate)					
			Glucose	Xylose	Galactose	Arabinose	Lignin	Ash
	108	23	47.4 ± 1.6	24.5 ± 0.8	1.3 ± 0.03	3.1 ± 0.1	17.6 ± 1.3	4.9 ± 0.1
Insoluble fraction (IF) ¹		(% dwb of bioextrudate DM)	(% dwb of whole bioextrudate)					
			Glucose	Xylose	Galactose	Arabinose	Lignin	
		65	38.0	17.6	0.7	2.0	25.4	
Soluble fraction (SF) ¹		(% dwb of bioextrudate DM)	(% dwb of whole bioextrudate)					
			Glucose	Xylose	Galactose	Arabinose	Lignin	
		35	8.7	6.8	0.5	1.0	-	

¹ IF and SF are produced by filtration to characterize the bioextrudate (see point 2.2.4.)

