

## Basic parameters in accounting biofuels

Biofuel	Primary Data	Density (Tons/cum)	Net calorific value (MJ/kg)	Moisture (%, dry basis)
Direct Woodfuels	Volume	0.725	13.8	30
Charcoal	Mass, volume		30.8	5
Indirect Woodfuels	Mass, volume	0.725	13.8	
Recovered Woodfuels	Mass, volume	0.725		
<b>Wood-derived fuels</b>	Mass			
Black liquor	Mass			
Methanol	Mass		20.9	0
Non-forest Biofuels	Mass			
Ethanol	Mass		27.6	0
Agricultural by-products	Mass	(see separate reference)		
Animal by-products	Mass		13.6	
Agro-industrial by-products	Mass			
Bagasse	Mass		8.4	40
Municipal wastes	Mass		19.7	-