



PRESSED C4 GRASS

DATA SHEET

Description

Jord's pressed grass is a solid biofuel made exclusively from C4-grass, harvested, chopped and mechanically pressed for industrial heat and power applications.

Designed for boilers already operating on wood chips or agricultural residues, it provides a scalable, purpose-grown alternative with a planned and controlled supply base.

The grass is cultivated on marginal and/or degraded land and produces high biomass yields with repeated harvests. After harvesting, it is pressed to reduce volume and moisture to below 50%, improving handling, transport and fuel performance.

Feedstock: C4-grass **Origin:** Dominican Republic



Data table

Parameter	Unit	Grass	Method
Moisture (as received)	%	48	ISO 18134-2:2017
Bulk density	kg/m ³	128	ISO 17828:2015
Ash (as received)	%	4.6	ISO 18122:2022
Gross calorific value (qV,gr), dry basis	MJ/kg	18,78	ISO 18125:2017
Net calorific value (qp,net), dry basis	MJ/kg	17,52	ISO 18125:2017
Sulfur, S (dry basis)	%	0.08	ISO 16994:2016
Chlorine, Cl (dry basis)	%	0.14	ISO 16994:2016 mod.
Carbon, C (dry basis)	%	47.6	ISO 16948:2015
Hydrogen, H (dry basis)	%	5.8	ISO 16948:2015
Nitrogen, N (dry basis)	%	0.37	ISO 16948:2015
Oxygen, O content (calculated)	%	41.6	ISO 16993:2016
Combustion in an oxygen bomb		Completed	ISO 16994:2016 mod.
Ashing done	°C	550	ISO 21404:2020
Shrinkage start temp, SST	°C	770	ISO 21404:2020
Deformation temp, DT	°C	1150	ISO 21404:2020
Hemisphere temp, HT	°C	1320	ISO 21404:2020
Flow temp, FT	°C	1340	ISO 21404:2020

Independent laboratory testing conducted by Eurofins.

Benefits

- ✓ High net calorific value **17.52 MJ/kg**.
- ✓ Low ash content **<5%**.
- ✓ Low sulfur content **<0.1** that prevents boiler corrosion.
- ✓ **100%** C4 grass cultivated in plots located in Dominican Republic.
- ✓ Sustainable biomass source.
- ✓ As a perennial crop, our C4 grass offers multiple harvests per year, supporting **continuous biomass supply**.

Best use

- Industrial heat and steam
- Power generation
- Co-firing with agricultural residues, wood chips, and coal

Availability

Available in bulk and large sacks. Contact our sales team to discuss volumes, delivery schedules and logistics support.

