



# 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 content                        | %                 | 48        | SFS-EN ISO 18134-2:2017    |
| Bulk density                            | kg/m <sup>3</sup> | 128       | SFS-EN ISO 17828:2015      |
| Ash content (550°C) as dry basis        | %                 | 4.6       | SFS-EN ISO 18122:2022      |
| Net calorific value (qp.net), dry basis | MJ/kg             | 17.52     | SFS-EN ISO 18125:2017      |
| Sulphur, S as dry basis                 | %                 | 0.08      | SFS-EN ISO 16994:2016      |
| Chlorine, Cl as dry basis               | %                 | 0.14      | SFS-EN ISO 16994:2016 mod. |
| Carbon, C total as dry basis            | %                 | 47.6      | SFS-EN ISO 16948:2015      |
| Hydrogen, H total as dry basis          | %                 | 5.8       | SFS-EN ISO 16948:2015      |
| Nitrogen, N total as dry basis          | %                 | 0.37      | SFS-EN ISO 16948:2015      |
| Oxygen, O content (calculated)          | %                 | 41.6      | SFS-EN ISO 16993:2016      |
| Combustion in an oxygen bomb            |                   | Completed | SFS-EN ISO 16994:2016 mod. |
| Ashing done                             | °C                | 550       | SFS-EN ISO 21404:2020      |
| Shrinkage start temp, SST               | °C                | 770       | SFS-EN ISO 21404:2020      |
| Deformation temp, DT                    | °C                | 1150      | SFS-EN ISO 21404:2020      |
| Hemisphere temp, HT                     | °C                | 1320      | SFS-EN ISO 21404:2020      |
| Flow temp, FT                           | °C                | 1340      | SFS-EN ISO 21404:2020      |

### Benefits

- ✓ High 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.

