

JORD

BRIQUETTES

DATA SHEET

Description

Jord's biomass briquettes are a compressed solid biofuel produced exclusively from perennial C4 grass cultivated on our farms in the Dominican Republic. The grass biomass is cut, dried, and mechanically densified under high pressure—without binders, additives, or chemical treatment—to form a large-format, uniform block engineered for industrial-scale combustion.

The result is a robust, energy-dense briquette that resists breakdown during transport and bulk storage, stacks and feeds cleanly into grate-fired boilers and industrial furnaces, and delivers consistent calorific output across every production batch.

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



Data table

Parameter	Unit	Value	Standard
Diameter, D (as received)	mm	60—90 ± 5	ISO 17829
Length, L (as received)	mm	50 < L < 300	ISO 17829
Moisture (as received)	w-%	≤ 10.0	SS-EN ISO 18134-2:2024
Ash (as received)	w-%	≤ 3.12	SS-EN ISO 18122:2022
Mechanical durability (as received)	w-%	≥ 95	ISO 17831-1
Bulk density (as received)	kg/m³	600 ≤ BD ≤ 750	ISO 17828
Gross calorific value (as received)	MJ/kg	17.3	ISO 18125:2017
Net calorific value (as received)	MJ/kg	16	ISO 18125:2017
Ash deformation temperature, DT	°C	960	ISO 21404:2020
Nitrogen, N (dry basis)	w-%	≤ 0.2	ISO 16948:2015
Sulfur, S (dry basis)	w-%	≤ 0.04	ISO 16994:2016 mod.
Chlorine, Cl (dry basis)	w-%	≤ 0.34	ISO 16994:2016
Potassium, K (dry basis)	mg/kg	7,800	ISO 11885:2009; ISO 16967:2015; ISO 16968:2015
Arsenic, As (dry basis)	mg/kg	≤ 1	ISO 16967:2015 mod.; ISO 16968:2015 mod.; ISO 17294-2:2016
Cadmium, Cd (dry basis)	mg/kg	≤ 0.5	ISO 16967:2015 mod.; ISO 16968:2015 mod.; ISO 17294-2:2016
Chromium Cr (dry basis)	mg/kg	≤ 10	ISO 16967:2015 mod.; ISO 16968:2015 mod.; ISO 17294-2:2016
Cooper, Cu (dry basis)	mg/kg	≤ 10	ISO 16967:2015 mod.; ISO 16968:2015 mod.; ISO 17294-2:2016
Lead, Pb (dry basis)	mg/kg	≤ 10	ISO 16967:2015 mod.; ISO 16968:2015 mod.; ISO 17294-2:2016
Mercury, Hg (dry basis)	mg/kg	≤ 0.1	ISO 16967:2015 mod.; ISO 16968:2015 mod.; ISO 17294-2:2016
Nickel, Ni (dry basis)	mg/kg	≤ 10	ISO 16967:2015 mod.; ISO 16968:2015 mod.; ISO 17294-2:2016
Zinc, Zn (dry basis)	mg/kg	≤ 100	ISO 16967:2015 mod.; ISO 16968:2015 mod.; ISO 17294-2:2016

*Preliminary version. Figures will be replaced once Eurofins lab analysis is complete.

Benefits

- ✓ High calorific value ≥ **16MJ/kg** delivers strong energy performance for industrial heat and power.
- ✓ Low sulfur content: Less than **0.04%** on a dry basis helps prevent equipment corrosion.
- ✓ Low chlorine content: Less than **0.34%** on a dry basis helps reduce the risk of metal corrosion and ash-related deposits.
- ✓ A faster route away from fossil fuels: Designed for **co-firing** or **fuel switching** in compatible industrial systems.
- ✓ No forests. No food crops. Made entirely from **C4 grass** grown on marginal and degraded land.
- ✓ Natural lignin binds the pellets **without additives** or adhesives.

Best use

- Industrial heat and steam
- Power generation
- Coal co-firing

Availability

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

