

PELLETS

DATA SHEET



Description

Jord's Pellet is a carbon equivalent negative fuel made exclusively from C4-grass without additives or binding agents. This compacted solid fuel provides a renewable and clean-burning solution that is a cost-effective alternative to fossil fuels. We are committed to preserving biodiversity and forests. In our operation, we use only marginal and degraded land and a regenerative agroforestry model, improving soil quality and ensuring that no forest is destroyed. By utilizing Jord's pellets, customers can benefit from reduced energy and heating costs and positively impact the environment.

Feedstock: C4-grass **Origin:** Senegal



Data table

Parameter	Unit	Pellet	Standard
Diameter, D	mm	$< 8 \pm 1 / < 6 \pm 1$	ISO 17829
Length, L	mm	$30 < L < 40$	ISO 17829
Moisture content	w-%	$\leq 10,0$	SS-EN ISO 18134-2:2017
Ash content	w-%	$< 6\%$	SS-EN ISO 18122:2015
Mechanical durability MD	w-%	$\geq 97,5$	SS-EN ISO 17831-1:2016
Bulk density, BD	kg/m ³	≈ 650	SS-EN ISO 17828:2016
Amount of fines (bulk)	w-%	$\leq 1,0$	SS-EN ISO 15149-2:2010
Calorific value (Dry basis)	MJ/kg	18	SS-EN ISO 18125:2017
Ash deformation temperature, DT	°C	≥ 960	SS-EN ISO 21404:2020
Nitrogen, N	%	$\leq 0,30$	SS-EN ISO 16948:2015
Sulfur, S	%	$\leq 0,04$	SS-EN ISO 16994:2016 mod
Chlorine, Cl	%	$\leq 0,60$	SS-EN ISO 16994:2016
Arsenic, As	mg/kg	≤ 1	SFS-EN ISO 16967:2015 mod.; SFS-EN ISO 16968:2015 mod.; SFS-EN ISO 17294-2:2016
Cadmium, Cd	mg/kg	$\leq 0,50$	SFS-EN ISO 16967:2015 mod.; SFS-EN ISO 16968:2015 mod.; SFS-EN ISO 17294-2:2016
Cooper, Cu	mg/kg	≤ 10	SFS-EN ISO 16967:2015 mod.; SFS-EN ISO 16968:2015 mod.; SFS-EN ISO 17294-2:2016
Lead, Pb	mg/kg	≤ 10	SFS-EN ISO 16967:2015 mod.; SFS-EN ISO 16968:2015 mod.; SFS-EN ISO 17294-2:2016
Mercury, Hg	mg/kg	$\leq 0,1$	SFS-EN ISO 16967:2015 mod.; SFS-EN ISO 16968:2015 mod.; SFS-EN ISO 17294-2:2016
Nickel, Ni	mg/kg	≤ 10	SFS-EN ISO 16967:2015 mod.; SFS-EN ISO 16968:2015 mod.; SFS-EN ISO 17294-2:2016
Zinc, Zn	mg/kg	≤ 100	SFS-EN ISO 16967:2015 mod.; SFS-EN ISO 16968:2015 mod.; SFS-EN ISO 17294-2:2016

*Uncertainty 5%. Net calorific value includes removed ash contaminants i.e. metals. The analysis was made by Eurofins.

Benefits

- ✓ High energy content ≥ 18 MJ/kg.
- ✓ The cost of heating can be reduced by **50%** or more with pellet stoves if compared with oil and gas.
- ✓ Carbon dioxide-equivalent **negative** fuel.
- ✓ Combustion efficiency as high as **95%**.
- ✓ It is manufactured **100%** with C4 grass without additives or adhesives.
- ✓ Low sulfur content that prevents boiler corrosion.
- ✓ Offer an efficient logistic solutions.

Best use

- **Heating fuel:** as a source of heating to be used in stoves or boilers.
- **Power generation:** On a larger scale, pellets can be used for power generation in biomass and coal powered plants.

Availability

Available in bulk and large sack. Contact sales for orders and inquiries.

