

JORD PELLETS DATA SHEET

Description

Jord's fuel pellets are made entirely from perennial C4 grass grown on marginal and degraded land. The grass is pelletised using its natural lignin, without additives or artificial binders, creating a renewable solid fuel for industrial energy applications.

Designed for co-firing or fuel switching in compatible biomass and coal-fired systems, Jord's pellets offer a practical way to reduce fossil-fuel consumption and the associated Scope 1 emissions. Independent Eurofins testing confirms a gross calorific value of ≥ 16 MJ/kg.

Feedstock: C4-grass **Origin:** Senegal and the Dominican Republic



Data table

Parameter	Unit	Value	Standard
Diameter, D (as received)	mm	$6 \pm 1, 8 \pm 1$	ISO 17829
Length, L (as received)	mm	$3,15 \leq L \leq 40$	ISO 17829
Moisture (as received)	w-%	$\leq 10,0$	ISO 18134-2:2024
Ash (as received)	w-%	$\leq 3,12$	SS-EN ISO 18122:2022
Mechanical durability (as received)	w-%	$\geq 97,5$	ISO 17831-1
Bulk density (as received)	kg/m ³	$600 \leq BD \leq 750$	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-%	$\leq 0,2$	ISO 16948:2015
Sulfur, S (dry basis)	w-%	$\leq 0,04$	ISO 16994:2016 mod.
Chlorine, Cl (dry basis)	w-%	$\leq 0,34$	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	$\leq 0,5$	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
Copper, 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	$\leq 0,1$	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

Independent laboratory testing conducted by Eurofins.

Benefits

- ✓ High calorific value ≥ 16 MJ/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.

