

JORD BIOLIQUID

Anaerobic digestion feedstock

Description

Jord's Bioliquid is a high-COD liquid recovered during the mechanical pressing of C4 grass grown on marginal and/or degraded land in the Dominican Republic.

With a BOD:COD ratio of 0.71, it contains a highly biodegradable organic fraction, making it a suitable feedstock for anaerobic digestion and co-digestion applications.

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



Data table

Parameter	Unit	Value	Method
Chemical oxygen demand (COD)	mg O ₂ /l	96,000	ISO 15705:2002
Biological oxygen demand (BOD ₇)	mg/l	68,000	SFS-EN 1899-1/2:1998
BOD:COD ratio	-	0.71	calculated
pH	-	3.5	SFS 3021:1979
Suspended solids	mg/l	12,000	SFS-EN 872:2005
Total nitrogen (Kjeldahl)	mg/l	640	SFS 5505:1988
Phosphorus, P	mg/l	150	SFS-EN ISO 17294-2:2023
Copper, Cu	mg/l	2.0	SFS-EN ISO 17294-2:2023
Zinc, Zn	mg/l	15	SFS-EN ISO 17294-2:2023
Conductivity (25 °C)	mS/m	930	SFS-EN 27888:1994
Oil and grease	mg/L	230	ISO 11349:2010 / EPA 1664:1999
Estimated biogas yield	Nm ³ /t COD	400—600	Estimated by Jord

Independent laboratory testing conducted by Eurofins. *Biogas yield estimated by Jord based on COD. Not measured by Eurofins.

Benefits

- ✓ High biogas potential: estimated at **400—600 Nm³/t COD***
- ✓ Highly biodegradable: BOD:COD ratio of **0.71**.
- ✓ Suitable for **co-digestion**: complements other organic feedstocks.
- ✓ **Renewable C4 biomass**: grown without competing with food crops.
- ✓ **Continuous supply** potential: perennial cultivation with multiple harvests per year.

Best use

- Anaerobic digestion in industrial biodigesters.
- Co-digestion with manure, vinasse, filter cake or food waste.
- Supporting biogas production and microbial activity.

Process note:

The Bioliquid is acidic (pH 3.5); buffering or co-digestion is recommended to maintain process stability. Monitor zinc (15 mg/L) and copper (2 mg/L) at high organic loading rates. These concentrations correspond to the Eurofins results.

Availability

Available in IBC tanks. Contact us to assess system compatibility and delivery options.

