

Sale of an entire biodiesel production plant location: Krems - Austria







Offer for sale

- >> Sale of the entire production plant of biodiesel (conforming to standard EN 14214) and glycerin from rapeseed and soy oil as well as waste edible oil located in Krems Austria.
- >> The total productivity of the plant is approx. 50,000 tons per year.
- >> The property in Krems can be rented.
- >> Infrastructure: a motorway interchange as well as a railway siding and the port of Krems is in close proximity to the property.
- >> Relocating the entire production plant to a different location is also possible.
- >> Viewing is possible at any time please schedule your visit!
- >> For questions or to make a viewing appointment please contact Mr. Andreas Weinberger via <u>weinberger@netbid.com</u> or telephone (43) 06691 666 8262.



Location of BIO-Diesel Krems GmbH







Directions to BIO-Diesel Krems GmbH





Plant data

- >> Multi-Feedstock plant
- >> Year of construction 2007 / alteration in 2010
- >> total productivity approx. 50,000 tons per year
- >> Continuous inline technique
- >> Yield 99%



Feedstock specification

Feedstock such as vegetable oil or animal fat have to comply with the following requirements:

| | Vegetable oil | Animal fat | Waste edible oil |
|--------------------------------------|---------------|------------|------------------|
| Temperature (°C) | 20-40 | 40 - 60 | 20-40 |
| Density (kg/m ³ at 20 °C) | 900 – 930 | 900 - 930 | 900 - 930 |
| Viscosity (mm²/s at 50 °C) | max. 30 | max. 40 | max. 40 |
| Sulphur (ppm) | max. 10 | max. 10 | max. 10 |
| Phosphor (ppm) | max. 10 | max. 10 | max. 10 |
| Saponification value (mg KOH/g fat) | 185 – 191 | 185 – 195 | 185 – 195 |
| Unsaponifiables (%) | max. 1 | max. 1 | max. 1 |







Products and byproducts

Crude glycerin after decanter and neutralisation

Blend of glycerin, methanol and water with minor concentration of oil, biodiesel and FFA/soap.

| Pressure: | 2 bar max. |
|-------------------------|-------------------------------------|
| Density :1 | ~1,000 kg/m ³ (at 50 °C) |
| Viscosity: ¹ | ~3 mm²/s (at 50 °C) |

| Parameter | FFA min. (2%) | FFA max. (10%) |
|-------------------|---------------|----------------|
| Glycerin | 44.6% | 35.4% |
| Methanol | 43.2% | 53.2% |
| Water | 8.1% | 7.5% |
| Potassium salt* | 0.7% | 0.7% |
| Dimethyl sulphate | 3.2% | 3.1% |
| BD/Oil/FFA | traces | traces |
| Temperature | 50 °C | 50 °C |

* Saturated solution

¹ preliminary value based on the determination of component mixtures / measurements BLT.



Acidic pre-esterification





Methanol drying (left) and acidic pre-esterification (right)





Fatty acid container at acidic pre-esterification





Trans-esterification (2nd step)





Technical specifications

Further details are available on request:

>> Process description

>> Operations manual (in German)

>> Schematic drawing of the plant

>> 3D location plan of the tanks

>> Photos of the plant



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