

Ultra low sulfur biodiesel

Biodiesel distillation was originally designed to purify trans-esterified biodiesel and remove the fraction forming precipitate at low temperature. The distilled biodiesel is referred as winter grade biodiesel.

Trans-esterified distilled biodiesel colour has been enhanced from yellow to near colourless with distillation.

Sulfur removal is required for biodiesel produced from acid esterification and pyrolysis biofuel.

Parameter	Typical
Mono-glycerides, weight%	≤0.2
Free fatty acid, weight%	≤0.25
Moisture content, ppm	<100
CSFT	300 sec max
Sulfur content, ppm	<15



Our distillation plant features

- Winter grade biodiesel product
- Low sulfur biodiesel product (for acid esterified biodiesel or other high sulfur biodiesel)
- Full ISBL, skid supply or customizable scope of supply and services
- High yield of FAME by addition of post distillation (candle evaporator)
- Very low monoglyceride content in product
- Typical processing cost: USD 25-30 per ton of distilled biodiesel
- Reference plant in operation

Biodiesel distillation combined with adsorption

- Ultra low sulfur content biodiesel (ULSD)
- Additional purification (adsorption) for distilled biodiesel product
- Guaranteed less than 10 ppm sulfur content in final biodiesel product
- Add on to Sulzer biodiesel distillation system
- No impact on the distilled biodiesel
- Better color of final biodiesel product
- Common and affordable adsorbent
- Typical processing cost: USD 28-33 per ton treated distilled biodiesel

