


biomotors co.uk
attn. Dominic Goodwin
The old rectory
Sandway, Maidstone
UK- Kent ME17 2BD

your reference : D. Goodwin
your order-no. : -
date of order : 9/5/2005
sample receipt : 9/7/2005
sampling : Customer
report date : 9/13/2005
page : 1 of 3

Report-No. : 133835

Sample Designation : Sample 1 Pura Öl
Sample ASG-ID : 74743
Sample Container : PE-bottle 1000 ml
Sample Appearance : Yellowish colour ,bright, visibly free of suspended or precipitated contaminants

Parameter	Method	Result	Specification E DIN 51 605	Unit
Density (15 °C)	DIN EN ISO 12185	919,9	900 - 930	kg/m ³
Flash point	DIN EN ISO 2719	222	min. 220	°C
Kin. viscosity (40 °C)	DIN EN ISO 3104	32,26	max. 36,0	mm ² /s
Calorific value, lower	DIN 51 900-2	37460	min. 36000	kJ/kg
Cetane number (DCN)	IP 498	49,3	min. 39	-
Carbon residue	DIN EN ISO 10370	0,36	max. 0,40	% (m/m)
Iodine value	DIN EN 14111	112	95 - 125	g Jod/100g
Sulfur content	DIN EN ISO 20884	<1	max. 10	mg/kg
Total contamination	DIN EN 12662	8	max. 24	mg/kg
Acid value	DIN EN 14104	0,051	max. 2,0	mg KOH/g
Oxidation stability 110 °C	DIN EN 14112	10,6	min. 6,0	h
Phosphorous content	DIN EN 14107	<1	max. 12	mg/kg
Earth alkali content (Ca + Mg)	E DIN EN 14538	<0,5	max. 20	mg/kg
Ash content	DIN EN ISO 6245	0,001	max. 0,01	% (m/m)
Water content	DIN EN ISO 12937	442	max. 750	mg/kg
Ester Content	HPLC	>98,5	-	% (m/m)



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Sample Designation : Sample 1 Pura Öl
Sample ASG-ID : 74743
Sample Container : PE-bottle 1000 ml
Sample Appearance : Yellowish colour ,bright, visibly free of suspended or precipitated contaminants

Remarks:

The "Pura Oil" meets the full definition of Biodiesel (Public Notice 179E).

1. It meets the specification E DIN 51 605 for "Vegetable oil as diesel fuel".
2. The ester content of the product is higher than 96,5 % and the sulfur content is lower than 50 mg/kg (0,005 per cent by weight).

The product could be used in vehicles with dual tanks or other adapted engines.



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Sample Designation : Sample2, filtrated
Sample ASG-ID : 74744
Sample Container : PE-bottle 1000 ml
Sample Appearance : Yellowish colour ,bright, visibly free of suspended or precipitated contaminants

Parameter	Method	Result	Specification E DIN 51 605	Unit
Density (15 °C)	DIN EN ISO 12185	925,1	900 - 930	kg/m ³
Flash point	DIN EN ISO 2719	203	min. 220	°C
Kin. viscosity (40 °C)	DIN EN ISO 3104	38,81	max. 36,0	mm ² /s
Calorific value, lower	DIN 51 900-2	37705	min. 36000	kJ/kg
Cetane number (DCN)	IP 498	47,5	min. 39	-
Carbon residue	DIN EN ISO 10370	0,45	max. 0,40	% (m/m)
Iodine value	DIN EN 14111	109	95 - 125	g Jod/100g
Sulfur content	DIN EN ISO 20884	<1	max. 10	mg/kg
Total contamination	DIN EN 12662	12	max. 24	mg/kg
Acid value	DIN EN 14104	1,500	max. 2,0	mg KOH/g
Oxidation stability 110 °C	DIN EN 14112	1,8	min. 6,0	h
Phosphorous content	DIN EN 14107	<1	max. 12	mg/kg
Earth alkali content (Ca + Mg)	E DIN EN 14538	0,6	max. 20	mg/kg
Ash content	DIN EN ISO 6245	0,002	max. 0,01	% (m/m)
Water content	DIN EN ISO 12937	1240	max. 750	mg/kg
Ester Content	HPLC	>98,5	-	% (m/m)



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