

## TECHNICAL DATA SHEET

### UCOME Biodiesel

Parameters	Test method	Values	EN 14214		Unit
			min.	max.	
Ester content	EN 14103	>96,5	96.5	---	% (m/m)
Density at 15°C	EN ISO 12185	880	860	900	kg/m <sup>l</sup>
Kinematic viscosity at 40°C	EN ISO 3104	4.5	3.5	5	mm <sub>c</sub> /s
Flash point	EN ISO 3679	>170	120	---	°C
Cold filter plugging point	EN 116	+11			°C
Sulfur content	EN ISO 20884	12	---	10	mg/kg
Carbon residue (10% Dest.)	EN ISO 10370	<0,2	---	0.3	% (m/m)
Cetane number	IP 498	>54	51	---	--
Ash content (Sulfated Ash)	ISO 3987	0.002	---	0.02	% (m/m)
Water content	EN ISO 12937	<300	---	500	mg/kg
Total contamination	EN 12662	<10	---	24	mg/kg
Copper strip corrosion	EN ISO 2160	1	1	Korr. Grad	
Oxidation stability	EN 14112	>7,0	6	---	h
Acid value	EN 14104	<0,5	---	0.5	mg KOH/g
Iodine number	EN 14111	70	---	120	g Iod/100g
Linolenic acid	EN 14103	2.3	---	12	% (m/m)
Methanol content	EN 14110	<0,01	---	0.2	% (m/m)

Free Glycerin	EN 14105	<0,01	---	0.02	% (m/m)
Monoglyceride content	EN 14106	<0,15	---	0.8	% (m/m)
Diglyceride content	EN 14107	<0,10	---	0.2	% (m/m)
Triglyceride content	EN 14108	<0,10	---	0.2	% (m/m)
Total glycerol	EN 14109	<0,10	---	0.25	% (m/m)
Phosphorus content	EN 14107	<0,5	---	10	mg/kg
Group I metals (Na + K)	EN 14108/14109	<0,5	---	5	mg/kg
Group II metals (Ca + Mg)	EN 14538	<0,5	---	5	mg/kg