

PETER CREMER

AUSTRALIA

(S) G M B H



PETER CREMER (SINGAPORE) GMBH, OLEO
 19 Keppel Road – # 11-07 Jit Poh Building
 Singapore 089058
 Tel: +65 62 25 78 90
 Fax: +65 62 22 73 60
 Telex: 2 83 07
 Email: singapore@cremer-gruppe.com

NEXSOL BIODIESEL SPECIFICATION

PARAMETER	UNITS	MIN	MAX	TEST METHOD
Sulfur	mg/kg mg/kg		50 10	ASTM D5453
Density	kg/m ³	860	890	ASTM D1298 OR EN 120 3675
Distillation T90	°C		360	ASTM D1160
Sulfated ash	% mass		0.02	ASTM D874
Viscosity at 40°C	mm ² /s	3.5	5	ASTM D445
Flashpoint	°C	120		ASTM D93
Carbon Residue (10% distillation residue) (100%distillation residue)	% (m/m)		0.30 or 0.050	EN ISO 103070 ASTM D4530
Water and sediment	% vol		0.05	ASTM D2709
Ester content	% (m/m)	96.5		prEN 14103
Phosphorus	mg/kg		10	ASTM D4951
Acid value	mg KOH/gm		0.8	ASTM D664
Total contamination	mg/kg		24	EN 12662 OR ASTM D5452
Free glycerol	% (m/m)		0.02	ASTM D6584
Total glycerol	% (m/m)		0.25	ASTM D6584
Oxidation stability at 110°C	hours	6		prEN 14112 OR ASTM D2274 (as relevant for biodiesel)
Metals Group I (Na, K)	mg/kg		5	prEN 14108, prEN 14109
Metals Group II (Ca, Mg)	mg/kg		5	prEN 14538
Methanol Content	% (m/m)		0.2	prEN 14110
Copper strip corrosion (3 hrs @50°C)	--		Class 3	ASTM D130
Cetane number	--	51		EN ISO 5165, ASTM D613,