



Seven Hills International Limited

Specification Sheet – ARTIC – EN 590 CL 4

Specification Sheet				
ARTIC – EN 590 CL 4		Issue # 7		DOI - 03/10/2011
Property	Minimum	Maximum	Units	Methods
Physical Data				
Density 15 °C	800.0	840.0	Kg/ M3	EN ISO 3675-98
Viscosity 40°C	1.2	4.0	mm2 /s	EN-ISO 3104
Distillation				
E 180 °C		10	%v/v	EN-ISO 3405
E 340 °C	95		%v/v	EN-ISO 3405
Cetane Number				
Cetane index	43.0		Index	ISO 4264
Cetane number	47.0		Index	ISO 5165-98
Flashpoint	55.0		°C	NF EN ISO 2719
Composition				
Poly-aromatics		8.0	%m/m	EN12916 = IP391
Cold Behaviour				
Cloud point		-34	°C	EN 23015
Cold Filter Plugging Point (CFPP)		-44	°C	EN 116, NF M 07042
Combustion				
Lower Calorific Value	Report		kcal/kg	ASTM D240
%C, %H / %O	Report		%Mass	ASTM D 5291 / ASTM D 5622 Calculated
Other Data				
Sulfur content		10.0	mg/kg	EN ISO 20846 / EN ISO 20847 / EN ISO 20884
Oxidation stability		25	g/m3	ISO 12205
Copper Strip Corrosion at 50 °C		1	merit	ISO 2160 = ASTM D130
Conradson Carbon Residue on 10% Dist.Residue		0.30	%Mass	ISO 10370
Ash content		0.010	%Mass	ISO 6245
FAME content		7.0	%Vol	EN 14078
Water content		200	mg/kg	EN ISO 12937
HFRR 60°C		460	µm	ISO/DIS 12156
Particulate matter		24	mg/kg	ISO 12662
Oxidation Stability / Rancimat	20		heure	EN 15751
Confidential Document. external distribution under agreement of RM/SPE/ACS The interpretation of results meets NF EN ISO 4259 Norm				
Fuel Manufactured by				