



# CERTIFICATE OF QUALITY LABORATORY REPORT

HELLENIC PETROLEUM S.A.

ELEFSIS REFINERY

PRODUCT:                      DIESEL HEATING

PROPERTIES		RESULTS	METHOD
DENSITY at 15 °C	Kg/m <sup>3</sup>	842.7	EN ISO 12185
COLOUR		3.5	ASTM D1500
SOLVENT YELLOW 124	mg/kg	6.0	
DISTILLATION I.B.P.	deg C		prEN ISO 3405/98
DISTILLATION 5%	deg C		
DISTILLATION 10%	deg C		
DISTILLATION 20%	deg C		
DISTILLATION 50%	deg C		
DISTILLATION 65%	deg C		
DISTILLATION 85%	deg C	346	
DISTILLATION 90%	deg C		
DISTILLATION 95%	deg C		
DISTILLATION F.B.P.	deg C		
FLASH POINT	deg C	65	EN 22719
SULFUR	%wt	0.19	EN ISO 8754/95
COPPER CORROSION		1A	EN ISO 2160
C.F.P.P.	deg C	-5	EN-116
VISCOSITY KINEMATIC at 40°C	cst	3.1	EN ISO 3104
POUR POINT	deg C	-21	ISO 3016
CETANE INDEX		52.0	EN ISO 4264
CETANE NUMBER			EN ISO 5165
CARBON CONRADSON RESIDUE	% wt	<0.1	EN ISO 10370
ASH	% wt	<0.01	EN ISO 6245
LUBRICITY (wsd1.4) at 60 °C	µm		ISO 12156-1
OXIDATION STABILITY	g/m <sup>3</sup>		EN ISO 12205
SUSPENDED MATTER	g/m <sup>3</sup>		EN 12662
FAME content	%v/v		EN 14078
WATER	ppm		prEN ISO 12937/96
POLYCYCLIC AROMATIC HYDROCARBONS	% wt		IP - 391

CHIEF CHEMIST: