



SULPHUR FREE AUTODIESEL TO BS EN 590

SHEET 4-4

PROPERTY & UNITS	LIMIT		TEST METHOD Note (1)
Appearance		Clear and bright, free from visible sediment and water	Visual
Colour	Max	2.5	D1500 / IP196
Odour		Merchantable	
Density @ 15°C kg/m ³	Min - Max	820 - 845	EN ISO 3675
Cold Filter Plugging Point			EN 116 / IP309
Winter C (2)	Max	-15	
Summer C (2)	Max	-5	
Cloud Point			EN 23015
Winter C (2)	Max	-5	
Summer C (2)	Max	+3	
Flash Point (PMCC) C	Min	56	EN 22719
Cetane Number	Min	51.0	EN ISO 5165
Cetane Index	Min	46.0	EN ISO 4264
Viscosity cSt @ 40C	Min - Max	2.00 - 4.50	EN ISO 3104
Polycyclic aromatic hydrocarbons (% wt)	Max	8	IP 391 : 1995
Sulphur mg/kg	Max	10.0	EN ISO 20846 / 20884
Copper Corros'n (3 Hr @ 50C)	Max	1	EN ISO 2160
Micro Carbon Residue :- Residue wt on 10% Bottoms	Max	0.30 (Note 3)	EN ISO 10370
Ash % Wt	Max	0.01	EN ISO 6245
Particulate Matter mg/kg	Max	24	EN 12662
Water mg/kg	Max	200	EN ISO 12937
Distillation C			EN ISO 3405: 1998
% Vol Rec @ 250C	Max	65.0	
% Vol Rec @ 350C	Min	85.0	
95 % Vol recovered	Deg C	360	
Oxidation Stability g/m ³	Max	25	EN ISO 12205
Oxidation Stability hours	Min	20 (Note 5)	EN 15751
Lubricity, Corrected Wear Scar Diameter @ 60 degC	Micron	460	ISO 12156 - 1
Fatty Acid Methyl Tester (FAME) content %V/V	Max	7.0 (Note 4)	EN 14078

Notes.

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| 1) Latest Test Methods or technical equivalent used | 3) May contain an ignition improver in which case the MCR test is not valid. |
| 2) Unless otherwise advised the following seasonal dates apply at point of sale :-
Summer : 16 March - 15 November | 4) FAME shall meet the requirements of EN 14214 |
| | 5) Only applicable when FAME content exceeds 2% |

THIS SPECIFICATION IS ACCURATE AT THE DATE OF ISSUE, AND SUPERSEDES ALL PREVIOUS ISSUES