



	EUROPE	GERMANY	USA	PETROLEUM DIESEL	
SPECIFICATION		EN 14214:2003	DIN V 51606	ASTM D 6751-07B	EN 590:1999
APPLIES TO		FAME	FAME	FAAE	DIESEL
DENSITY 15°C	G/CM <sup>3</sup>	0.86-0.90	0.875-0.90		0.82-0.845
VISCOSITY 40°C	MM <sup>2</sup> /S	3.5-5.0	3.5-5.0	1.9-6.0	2.0-4.5
DISTILLATION	% @ °C			90%,360°C	85%,350°C - 95%,360°C
FLASHPOINT (FP)	°C	120 MIN	110 MIN	93 MIN	55 MIN
CFPP	°C	* COUNTRY SPECIFIC	SUMMER 0 SPR/AUT -10 WINTER -20		* COUNTRY SPECIFIC
CLOUD POINT	°C			* REPORT	
SULPHUR	MG/KG	10 MAX	10 MAX	15 MAX	350 MAX
CCR 100%	%MASS		0.05 MAX	0.05 MAX	
CARBON RESIDUE (10%DIST.RESIDUE)	%MASS	0.3 MAX	0.3 MAX		0.3 MAX
SULPHATED ASH	%MASS	0.02 MAX	0.03 MAX	0.02 MAX	
OXID ASH	%MASS				0.1 MAX
WATER	MG/KG	500 MAX	300 MAX	500 MAX	200 MAX
TOTAL CONTAMINATION	MG/KG	24 MAX	20 MAX		24 MAX
CU CORROSION MAX	3H/50°C	1	1	3	1
OXIDATION STABILITY	HRS;110° C	6 HOURS MIN		3 HOURS MIN	N/A (25 G/M3)
CETANE NUMBER		51 MIN	49 MIN	47 MIN	51 MIN
ACID VALUE	MGKOH /G	0.5 MAX	0.5 MAX	0.5 MAX	
METHANOL	%MASS	0.20 MAX	0.3 MAX	0.2 MAX OR FP <130°C	
ESTER CONTENT	%MASS	96.5 MIN			
MONOGLYCERIDE	%MASS	0.8 MAX	0.8 MAX		
DIGLYCERIDE	%MASS	0.2 MAX	0.4 MAX		
TRIGLYCERIDE	%MASS	0.2 MAX	0.4 MAX		
FREE GLYCEROL	%MASS	0.02 MAX	0.02 MAX	0.02 MAX	
TOTAL GLYCEROL	%MASS	0.25 MAX	0.25 MAX	0.24 MAX	
IODINE VALUE		120 MAX	115 MAX		
LINOLENIC ACID ME	%MASS	12 MAX			
C(X:4) & GREATER UNSATURATED ESTERS	%MASS	1 MAX			
PHOSPHORUS	MG/KG	10 MAX	10 MAX	10 MAX	
ALKALINITY	MG/KG		5 MAX		
GP I METALS (NA,K)	MG/KG	5 MAX		5 MAX	
GPII METALS (CA,MG)	MG/KG	5 MAX		5 MAX	
PAHS	%MASS				11 MAX
LUBRICITY / WEAR	µM AT 60°C				460 MAX