

## ISO 8217: 2017 MGO DMA

Characteristic	Limit	DMA	Test
Acid Number mg/KOH/g	max	0.50	ASTM D664
Appearance	-	Clear and Bright	ISO see 7.4 or 7.5
Ash % (m/m)	max	0.01	ISO 6245
Carbon Residue % m/m	max	0.30	ISO 10370
Carbon Micro method % m/m	max	-	ISO 10370
Cetane index	min	40	ISO 4264
Cloud point, C°		-	ISO 3015
Cold Filter Plugging point °C			
Winter		report	IP 309 or IP 612
Summer		-	
Density at 15° C, kg/m <sup>3</sup> , kg/m <sup>3</sup>	max	0.890	ISO 3675 or ISO 12185
Fatty Acid methyl Ester (FAME)*		-	ASTM D7963 or IP 579
Flash Point, °C	min	60	ISO 2719
Hydrogen Sulfide mg/kg	max	2.00	IP 570
Kinematic Viscosity @40° C	min	2.00	ISO 3104
m/m <sub>2</sub> /s	max	6.00	
Lubricity. Corrected wear	max	520	ISO 12156-1
Oxidation stability g/m <sup>3</sup>	max	25	ISO 12205
Pour point (upper) C°			
-Winter Quality	max	-6	ISO 3016
-Summer Quality	max	0	ISO 3016
Sulphur, % (m/m)	max	*	ISO 8754 OR ISO 14596
Total Existent by Hot Filtration (% m/m)		-	ISO 10307-1
Vanadium, mg/kg	max	-	ISO 14597 OR IP 501 or IP 470
Viscosity			
Water, % (V/V)	max	-	ISO 3733

\*ECA Regulation mandates max 0.1% sulphur to be burned in ECA zones