



## ISO 8217 2005 Fuel Standard

### ISO 8217 2005 Fuel Standard for Residual Fuels

CHARACTERISTICS	380 RMG	180 RME	380 RMK	UNITS	LIMIT
Density @ 15 C	991.1	991.0	1010.0	kg/m <sup>3</sup>	max
Viscosity @ 50 C	380	180	380	mm <sup>2</sup> /s	max
Viscosity @ 50 C	380	180	380	cSt	max
Flash Point	60	60	60	C°	min
Pour Point Winter	30	30	30	C°	max
Pour Point Summer	30	30	30	C°	max
Carbon Residue	18	15	22	%m/m	max
Ash	0.15	0.10	0.15	%m/m	max
Water	0.5	0.5	0.5	%V/V	max
Sulphur	4.5	4.5	4.5	%m/m	max
Vanadium	300	200	600	mg/kg	max
Aluminium + Silicon	80	80	80	mg/kg	max
Zinc	15	15	15	mg/kg	max
Phosphorus	15	15	15	mg/kg	max
Calcium	30	30	30	mg/kg	max
Total Sediment Potent	0.10	0.10	0.10	%m/m	max

### ISO 8217 2005 Fuel Standard for Distillate Fuels

CHARACTERISTICS	DMA	DMB	DMX	DMZ	UNITS	LIMIT
Density @ 15 C	890	920	-	900.0	kg/m <sup>3</sup>	max
Viscosity @ 40 C	6.0	14.0	5.5	11.0	mm <sup>2</sup> /s	max
Viscosity @ 40 C	1.5	2.0	1.4	-	mm <sup>2</sup> /s	min
Micro Carbon Residue at 10%	0.3	-	0.3	0.3	%m/m	min
Micro Carbon Residue	-	2.5	-	0.3	%m/m	max
Water	-	0.3	-	0.3	%V/V	max
Sulfur	1.5	2.0	1.0	2.0	%(m/m)	max
Total Sediment Existent	-	0.10	-	0.1	%m/m	max
Ash	0.01	0.05	0.01	0.01	%m/m	max
Vanadium	-	100	-	-	mg/kg	max
Aluminium+Silicon	-	25	-	-	mg/kg	max
Flash point	60	60	43	60	C°	min
Pour point Summer	0	6	-	-6	C°	max
Pour point Winter	-6	0	-	0	C°	max
Cloud Point	-	-	-16	-	C°	max
Calculated Cetane Index	40	-	45	35	-	min

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