



Bunker Fuels ISO Specifications

Marine Residual Fuels												
Parameter	Unit	Limit	RMA 30	RMB 30	RMD 80	RME 180	RMF 180	RMG 380	RMH 380	RMK 380	RMH 700	RMK 700
Density at 15°C	kg/m ³	Max	960	975	980	991		991		1010	991	1010
Viscosity at 50°C	mm ² /s	Max	30		80	180		380			700	
Water	%V/V	Max	0.5		0.5	0.5		0.5			0.5	
Micro Carbon Residue	%m/m	Max	10		14	15	20	18	22		22	
Sulfur	%m/m	Max	3.5		4	4.5		4.5			4.5	
Ash	%m/m	Max	0.1		0.1	0.1	0.15	0.15	0.15		0.15	
Vanadium	mg/kg	Max	150		350	200	500	300	600		600	
Flash Point	°C	Min	60		60	60		60			60	
Pour point, Summer	°C	Max	6	24	30	30		30			30	
Pour point, Winter	°C	Max	0	24	30	30		30			30	
Aluminium + Silicon	mg/kg	Max	80		80	80		80			80	
Total Sediment, Potential	%m/m	Max	0.1		0.1	0.1		0.1			0.1	
Zinc	mg/kg	Max				15		15			15	
Phosphorus	mg/kg	Max				15		15			15	
Calcium	mg/kg	Max				30		30			30	

Marine Distillate Fuels							
Parameter	Unit	Limit	DMX	DMA	DMB	DMC	
Density at 15°C	kg/m ³	Max	-	890	900	920	
Viscosity at 40°C	mm ² /s	Max	5.5	6	11	14	
Viscosity at 40°C	mm ² /s	Min	1.4	1.5	-	-	
Micro Carbon Residue at 10% Residue	%m/m	Max	0.3	0.3	-	-	
Micro Carbon Residue	%m/m	Max	-	-	0.3	2.5	
Water	%V/V	Max	-	-	0.3	0.3	
Sulfur	%m/m	Max	-	1.5 (0.1 SECA)	2	2	
Total Sediment Existent	%m/m	Max	-	-	0.1	0.1	
Ash	%m/m	Max	0.01	0.01	0.01	0.05	
Vanadium	mg/kg	Max	-	-	-	100	
Aluminium + Silicon	mg/kg	Max	-	-	-	25	
Flash Point	°C	Min	43	60	60	60	
Pour point, Summer	°C	Max	-	0	6	6	
Pour point, Winter	°C	Max	-	-6	0	0	
Cloud point	°C	Max	-16	-	-	-	
Calculated Cetane Index	-	Min	45	40	35	-	
Appearance	-	-	-	Clear & Bright	-	-	
Zinc	mg/kg	Max	-	-	-	15	
Phosphorus	mg/kg	Max	-	-	-	15	
Calcium	mg/kg	Max	-	-	-	30	