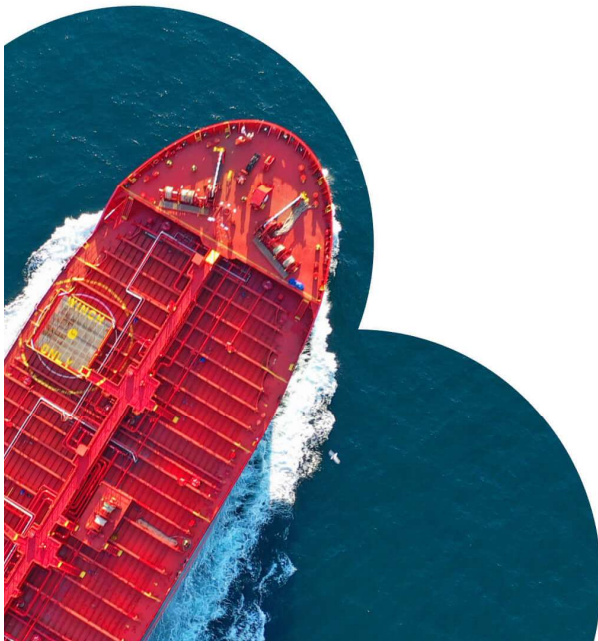


ISO 8127:2005 Specification (Residuals)

ISO 8127:2005 Fuel Standard for Marine Residual Fuels

Parameter	Limit	RMA 30	RMB 30	RMD 80	RME 180	RMF 180	RMG 380	RMH 380	RMK 380	RMH 380	RMK 700
Sulphur (% m/m)	Max.	3.5	4.0	4.5	4.5		4.5		4.5		4.5
Density at 15°C (kg/m ³)	Max.	960	975	980	991		991		1,010	991	1,010
Viscosity at 50°C (mm ² /s)	Max.	30		80	180		380			700	
Micro Carbon Residue (% m/m)	Max.	10		14	15	20	18	22		22	
Aluminium + Silicon (mg/kg)	Max.	80		80	80		80			80	
Ash (% m/m)	Max.	0.10	0.10	0.10	0.15	0.15	0.15	0.15		0.15	
Vanadium (mg/kg)	Max.	150		350	200	500	300	600		600	
Water (% V/V)	Max.	0.5		0.5	0.5		0.5			0.5	
Pour point in Summer (°C)	Max.	6	24	30	30		30			30	
Pour point in Winter (°C)	Max.	0	24	30	30		30			30	
Flash point (°C)	Min.	60		60	60		60			60	
Total sediment Existent (% m/m)	Max.	0.1		0.1	0.1		0.1			0.1	
Zinc (mg/kg)	Max.							15			
Phosphorus (mg/kg)	Max.							15			
Calcium (mg/kg)	Max.							30			



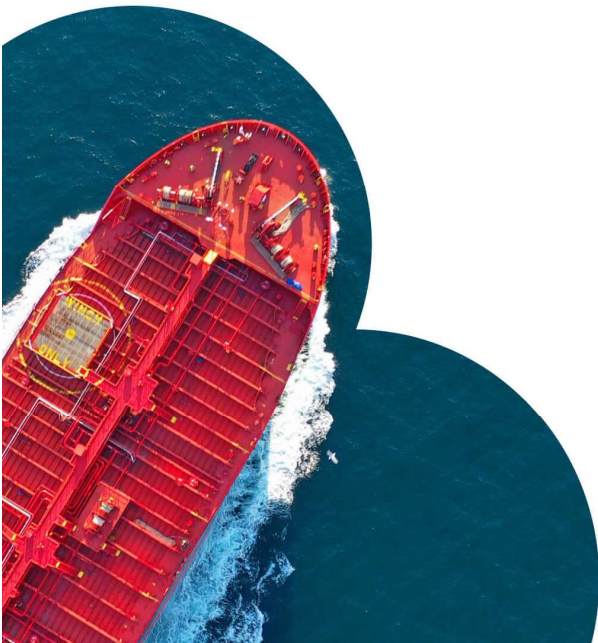
For more information, please contact:

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ISO 8127:2005 Specification (Distillates)

ISO 8127:2005 Fuel Standard for Marine Distillate Fuels

Parameter	Limit	DMA	DMX	DMB	DMZ
Sulphur (% m/m)	Max.	1.5	1.0	2.0	2.0
Density at 15°C (kg/m ³)	Max.	890	-	920	900
Viscosity at 40°C (mm ² /s)	Max.	6.0	5.5	14.0	11.0
Viscosity at 40°C (mm ² /s)	Min.	1.5	1.4	-	-
Micro Carbon Residue at 10% Residue (% m/m)	Max.	0.3	0.3	-	-
Micro Carbon Residue (% m/m)	Max.	-	-	2.5	0.3
Water (% V/V)	Max.	-	-	0.3	0.3
Total sediment Existent (% m/m)	Max.	-	-	0.1	0.1
Ash (% m/m)	Max.	0.10	0.01	0.05	0.10
Flash point (°C)	Min.	60.0	43.0	60.0	60.0
Pour point in Summer (°C)	Max.	0.0	-	6.0	6.0
Pour point in Winter (°C)	Max.	-6.0	-	0.0	0.0
Cloud point (°C)	Max.	-	-16.0	-	-
Calculated Cetane Index	Min.	40.0	45.0	-	35.0
Vanadium (mg/kg)	Max.	-	-	100.0	-
Aluminium + Silicon (mg/kg)	Max.	-	-	25.0	-
Zinc (mg/kg)	Max.	-	-	15.0	-
Phosphorus (mg/kg)	Max.	-	-	15.0	-
Calcium (mg/kg)	Max.	-	-	30.0	-
Appearance		Clear & Bright		-	-



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