


ARIYAN INTERNATIONAL INC.

Bridging Businesses Together

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STANDARD SPECIFICATION OF RUSSIAN VIRGIN FUEL OIL D6

METHOD UNITS	TEST	RESULT	UNIT
ASTM D5002	Density and relative Density of Crude Oils Average API Gravity	29.7 (29.7) (Min)	API
ASTM D1298–99	Density @ 15 °C	0.87 (0.8775) (Max)	Kg/t
ASTM D97	Pour Point of Petroleum Products Pour Point Pour Point	< –33 (–36) (Below Zero) < –27.4 (–32.8) (Below Zero)	°C °F
ASTM D93–IP34	Pensky–Martens Closed Cup Flash Point Corrected Flash Point	117(137) (Min)	°F
ASTM D4294	Sulfur Content in Petroleum Products by EDXRF Sulfur Content	0.38 (0.358) (Max)	Wt%
ASTM D445	Kinematic/Dynamic Viscosity Kinematic Viscosity @ 122 °F/50 °C	17.83 (18.12) (Max)	Mm ² /s
ASTM D6304	Water Content by Coulometric Karl Fisher Titration Water Content	0.20 (0.7) (Max)	Wt%
ASTM D482	Ash From Petroleum Products Average Ash	0.279 (1.007) (Max)	Wt%
ASTM D2161	Conversion of Kinematic Viscosity To SUS/SFS 1 Saybolt Furoi Viscosity 122 °F	10.9 SFS	(Max)
ASTM D5184	Aluminum and Silicon in Fuel Oils by ICP–AES or AAS Aluminum Content Silicon Content	102 (Max) 93 (Max)	Mg/Kg Mg/Kg
ASTM D95	Water by Distillation, Vol%	0.70 (Max)	Vol%
ASTM D4503.06	Carbon Residue	1.11 (Max)	Wt%

METHOD TEST RESULT UNITS

IP 143 Asphalteness Heptane Insolubles			
	Asphalteness Content	0.08	Wt%
IP 501 Determination of AL, Si, V, Ni, Fe, Na, Ca, Zn, P in Fuel Oil–ICPES			
	Aluminum	372	mg/kg
	Silicon	187	mg/kg
	Sodium	117	mg/kg
	Vanadium	1	mg/kg
	Calcium	779	mg/kg
	Zinc	298	mg/kg
	Phosphorous	4176	mg/kg
	Iron	545	mg/kg