



ARIYAN INTERNATIONAL INC.
Bridging Businesses Together

Ariyan International Inc.
Mississauga, Ontario, Canada.
Phone: +1 (416) 477 – 1746
Emails: contact@ariyancorp.com
cs@ariyancorp.com
info@ariyancorp.com
Website: <https://www.ariyancorp.com>

STANDARD SPECIFICATION OF RUSSIAN EASTERN SIBERIAN PACIFIC PIPELINE CRUDE OIL (ESPO)

NO	TEST	METHOD	UNIT	RESULT
1	Density At 15 °C	ASTM D1298	Kg/L	0.8508
2	API Gravity	ASTM D1250	-	34
3	Kinematic Viscosity at 20 °C	ASTM D445	cst	6.949
4	Sulphur Content	ASTM D4294	% Mass	0.535
5	Ash Content	ASTM D482	% Mass	0.011
6	Total Acid Number	ASTM D664	Mg KOH	< 0.50
7	Pour Point	ASTM D5853	°C	<= - 36
8	Sediment By Extraction	GOST 21534-75 (A)	% Mass	0.01
9	RVPE	ASTM D5191	kPa	40.4
10	Hydrogen Sulphide	UOP 163	ppm	< 1
11	Chloride Salt Content	ASTM D473	% Mass	17
12	Organic Chlorine Content	ASTM D4929 (B)	Mg/Kg	*1
13	Mercaptan Sulphur	UOP 163	ppm	111
14	Vanadium	IP 470	ppm	4
15	Nickel	IP 470	ppm	4
16	Iron	IP 470	ppm	19
17	Calcium	IP 470	ppm	2
18	Sodium	IP 470	ppm	1
19	Copper	AAS	ppm	< 1
20	Water By Distillation	ASTM D4006	% Mass	0.35
21	Paraffin Wax Content	UOP 46	% Mass	3.3
22	Asphaltenes (Heptane Insolubles) Content	IP 143	% Mass	0.20
23	TBP Distillation,	ASTM D5236	Vol%	Cutting
24	Boiling range Of FRAC. @ 760mmHg °C			Range
	LPG	% Vol		2.2
	C5 – 65	% Vol		6.1
	65 – 100	% Vol		9.8
	100 – 150	% Vol		16.7
	150 – 200	% Vol		25.1
	200 – 250	% Vol		32.7
	250 – 300	% Vol		42.0
	300 – 350	% Vol		50.9
	350 – 370	% Vol		54.2
	370 – 475	% Vol		70.0
	475 – 515	% Vol		74.6
	515 – 525	% Vol		76.0
	525 – 553	% Vol		79.9