

## Type & specification of crude oil

### Sarir Crude Oil

Density @ 15°C g/ml	0.8370	IP 365/D4052
Specific Gravity @ 60° F	0.8374	Calculation
API Gravity @ 60° F	37.48	Calculation
Characterization Factor	12.5	Calculation
Total Sulphur % wt.	0.17	IP 336/D4294
Mercaptan Sulphur ppm wt.	8	IP 342Mod/D3227Mod
Total Nitrogen % wt.	0.10	IP 379Mod/D4629Mod
Pour Point °C (°F)	+21(+70)	IP 15/D97
Viscosity @ 70°F, cSt	67.54	IP 71/D445
Viscosity @ 100°F, cSt	10.73	IP 71/D445
Vanadium ppm wt.	<1	IP 377 Mod
Nickel ppm wt.	1	IP 377 Mod
Sodium ppm wt.	4.7	IP 377 Mod
Calcium ppm wt.	3.7	IP 377 Mod
Potassium ppm. Wt.	0.2	IP 377 Mod
Conradson Carbon % wt.	4.60	IP 13/D189
Asphaltenes % wt.	0.3	IP 143
n-Heptane insolubles % wt.	0.84	D893
Reid Vapour Pressure KPa (psi)	12 (1.7)	IP 69/D323
Flash point °C (°F)	Below -20 (Below -4)	IP 170
Hydrogen Sulphide ppm wt.	<1	IP PM-BJ
Neutralization Number, mg KOH/g	0.085	IP 177/D664
Bottom, Sediment and Water % vol.	<0.05	IP 359/D4007
Ash content % wt.	<0.01	IP 4/D482
Salt (as NaCl) mg/liter (lbs/1000 bbls)	1.4 (4.0)	D3230
Light Hydrocarbons % wt (% vol.)		IP 344
Methane	<0.01 (<0.01)	
Ethane	0.03 (0.05)	
Propane	0.66 (1.10)	
Iso-Butane	0.54 (0.80)	
n-Butane	1.97 (2.83)	
iso pentane	1.53 (2.05)	
n-pentane	2.17 (2.88)	
cyclo-pentane	0.10 (0.11)	