

Type & specification of crude oil

Amal Crude Oil

Density @ 15°C g/ml	0.8407	IP 365/D4052
Specific Gravity @ 60° F	0.8411	Calculation
API Gravity @ 60° F	36.73	Calculation
Characterization Factor	12.4	Calculation
Total Sulphur % wt.	0.18	IP 336/D4294
Mercaptan Sulphur ppm wt.	43	IP 342Mod/D3227Mod
Total Nitrogen % wt.	0.11	IP 379Mod/D4629Mod
Pour Point °C (°F)	+21 (+70)	IP 15/D97
Viscosity @ 77°F, cSt	106.4	IP 71/D445
Viscosity @ 100°F, cSt	11.05	IP 71/D445
Vanadium ppm wt.	0.4	IP 377 Mod
Nickel ppm wt.	1.5	IP 377 Mod
Sodium ppm wt.	15.0	IP 377 Mod
Calcium ppm wt.	8.8	IP 377 Mod
Potassium ppm. Wt.	0.6	IP 377 Mod
Conradson Carbon % wt.	1.9	IP 13/D189
Asphaltenes % wt.	0.33	IP 143
n-Heptane insolubles % wt.	0.71	D893
Reid Vapour Pressure KPa (psi)	27 (3.9)	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	0.14	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)	26.0 (9.1)	D3230
Light Hydrocarbons % wt (% vol.)		IP 344
Methane	Nil (Nil)	
Ethane	0.03 (0.07)	
Propane	Nil (Nil)	
Iso-Butane	0.20 (0.30)	
n-Butane	0.69 (1.00)	
iso pentane	0.66 (0.89)	
n-pentane	0.92 (1.23)	
cyclo-pentane	0.09 (0.10)	