

Table 3 Physicochemical Characteristics of Arabian Light Crude oil used (provided by PERTAMINA, 2011)

No	Parameters (Units, Analysis Methode)	Arabian Light Crude Oil (ALC)	Naphtha Fraction	
			Light	Heavy
1	API Gravity at 60/60°F (-, ASTM D 1298)	33.3		
2	Sulphur content (mass %, ASTM D 1552)	2.24		
3	Nitrogen content (mass ppm, ASTM D 3228)	ND		
4	Nickel (Ni) (mass ppm, IP 470)	2		
5	Vanadium (mass ppm, IP 470)	<1		
6	Hydrocarbon Types			
	Saturates (vol. %, ASTM D 5134)		99.3	83.9
	Aromatics (vol. %, ASTM D 1319)		0.6	16.0
	Olefins (vol. %, ASTM D 1319)		0.1	0.1
	Resin & Asphaltenes (-,-)		NA	NA