

**CRUDE OIL ASSAY SLATE**

Test	Method	Unit	Whole Crude	Fractions Range						
				LPG	Naphtha (Light) 15°C to 140°C	Naphtha (Heavy) 140°C to 190°C	190°C to 240°C	240°C to 380°C	VGO 380°C to 565°C	VR 565 deg C plus
Yield by mass	ASTM D 2892 &	mass%		x	x	x	x	x	x	x
Yield by Volume	ASTM D 5236	Vol. %		x	x	x	x	x	x	x
Density@15°C	ASTM D 4052	Kg/L	x		x	x	x	x	x	x
Density@20°C										
Specific Gravity@ 60/60°F		--		x						
API Gravity @ 60° F	Conversion		x							
Acid Number, Total	ASTM D 664/3242	mg KOH/g	x				x	x	x	x
Aniline Point	ASTM D 611	°C			x	x	x			
Arsenic	AAS - CV	ppb			x	x				
Asphaltenes	IP 143	mass%	x							
Ash Content	ASTM D 482		x							
BS & Water	ASTM D 4007	Vol. %	x							
Calorific Value, gross	Calculated	BTU/lb								
Carbon Residue (MCRT)	ASTM D 4530	mass%	x					x	x	
Char Value	IP 10	mg/kg								
Chloride	ASTM D 4929 B	ppm			x	x				
Colour, ASTM	ASTM D 1500	-						x	x	
Colour, Saybolt	ASTM D 156	-			x	x	x			
Conductivity	ASTM D 2624	pS/m					x			
Conradson Carbon Residue	ASTM D 189	mass%								x
Copper Corossion@50°C, 3hrs	ASTM D 130	Rating			x	x	x			
Distillation, IBP / FBP	ASTM D 86	°C	x		x	x	x	x	x	
Doctor Test	ASTM D 4952	--			x	x	x			
Flash Point, Abel	IP 170	°C					x			
Flash Point, PMCC	ASTM D 93		x					x	x	x
Freeze Point	ASTM D 2386							x		
Hydrogen Sulphide	UOP 163	mg/kg	x		x	x	x			
Mercaptan Sulphur			x		x	x	x			
Moisture Content	Karl Fisher	Vol. %	x							
M.S.E.P	Rating	-					x			
Naphthalenes	ASTM D 1840	mass%					x			
Nitrogen	ASTM D 4629	mg/kg	x		x	x		x	x	x
RVP@ 37.8°C	ASTM D 323	psi	x		x	x				
Particle Count	ASTM D 564	Rating								
Pour Point	ASTM D 97	°C	x							
Salt Content	ASTM D 3230	ptb	x							
Sediment by Extraction	ASTM D 473	mass%	x							
Smoke Point	ASTM D 1322	mm					x			
Specific Energy	ASTM D 4529	MJ/kg					x			
Sulphur Content	ASTM D 4294	mass%	x		x	x	x	x	x	x
Normal Paraffins	GC DHA	Vol. %			x	x				
Iso Paraffins					x	x				
Aromatics					x	x				
Naphthenes					x	x				
Olefins					x	x				



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Methane / Ethane	GC	mol. %		x							
Propane				x							
n-butane / Iso Butane				x							
n-Pentane / Iso Pentane				x							
RON	ASTM D 2699	-			x	x					
MON	ASTM D 2700				x	x					
Oxygenates (Trace)	Lowox GC		ppm.wt			x	x				
Viscosity Kinematic@40/50° C	ASTM D 445	cSt						x	x	x	
Viscosity Kinematic@70/100/122° F	ASTM D 445	cSt	x								
JFTOT Pressure difference Tube deposit rating	ASTM D 3241	mmHg					x				
Aromatics	ASTM D 1319	Vol. %			x	x	x				
Vanadium	ICP	mg/kg	x							x	
Nickel			x								x
Iron			x								
UOP K	Calculation	--							x	x	
Wax Content	UOP 46/64	--	x								

**Note: 'x' indicated test is proposed on the whole crude and on its various fractions.**