



Oil Price
Iran Commodity Data Group

Analysis of Residue of distillation tower (ATR-140)

ANALYSYS	UNIT	LIMITS		Refinery production	TEST METHOD	
		Min	Max		ASTM/IP	ISO
DENSITY@15°C	Kg/m ³		991	0.910-0.930	D1298	ISO3104
Kinematic Viscosity @50°C	c.St	80	180	110-140	D445	ISO3675 or 12185
CCAI	-		780	600-800	Calculated	
Sulfur Total	Wt%		0.5	<0.5	D1552/4294	ISO8754/14596
Flash Point	°C	60		90-140	D93	ISO2719
Hydrogen Sulfid	Mg/kg		2	<2	IP570	
Acid Number	mgKOH/g		2.5	0.1	D3242/664	
Total Sediment - Aged	Wt%		0.1	<0.1		ISO 10307-2
Micro Carbon Residue	Wt%		18	3-6		ISO10370
Pour Point	°C		30	6-21	D97	ISO3016
Water	Vol%		0.5	<0.05		ISO3733
Ash	Wt%		0.1	<0.001	D482	ISO6245
Ni+Vanadium	Mg/kg		350	<22	IP501-470	ISO14597
Sodium	Mg/kg		100	<10	IP501-470	
Aluminium Plus silicon	Mg/kg		60	<5	IP501-470	ISO10478