



SEYCHELLES PETROLEUM COMPANY LIMITED		FORM	
ISSUE: 4	DATE: 28/09/2013	REVISION No.: 3	Doc.No: F 740 001 Q
TITLE: Refined petroleum product quality specifications	DEPT./SECTION: Technical	PREPARED BY: TM	APPROVED BY: CEO 

FUEL OIL 180 CST

Characteristic	Unit	Limit	 Requirement	Test Methods Reference	Reference Standard
Density at 15°C	Kg/m ³	min max	0.950 0.991	ASTM D1298	ISO 8217:2010 (RMG)
Flash point	° C	min	60	ASTM 93	ISO 8217:2010 (RMG)
Pour Point, summer	° C	max	15	ASTM 97	ISO 8217:2010 (RMG)
Viscosity, Kinematic@50° C	mm ² /s	min	min160-- 180max	ASTM 445	ISO 8217:2010 (RMG)
Total sediment, aged	%m/m	max	0.10	ASTM D4870	ISO 8217:2010 (RMG)
Ash	%wt.	max	0.10	ASTM D482	ISO 8217:2005 (RMG)
Calorific value, gross	MJ/Kg	max	42	Calc. of USB Standards	Requirement requested by PUC
Calorific value, net	MJ/Kg	min	40	Calc. of USB Standards	Requirement requested by PUC
Carbon residue, Conradson	%wt.	max	15	ASTM D 4530	ISO 8217:2010 (RMG)
Calculated carbon aromatic index		max	860	ASTM D130	ISO 8217:2010 (RMG)
Sulphur	%wt.	max	3.5	ASTM D4294	ISO 8217:2005 (RMG)
Water	%V	max	0.05	ASTM D95	ISO 8217:2010 (RMG)
Aluminium + Silicon	Mg/kg	max	60	AAS GF	ISO 8217:2010 (RMG)
Sodium	Mg/kg	max	100	Atomic Absorption	ISO 8217:2010 (RMG)
Vanadium	Mg/kg	max	350	AAS GF	ISO 8217:2010 (RMG)
Hydrogen sulfide	Mg/Kg	max	2	IP 570	ISO 8217:2010 (RMG)

Note: ULO is NOT permitted