



Simcol Petroleum Nigeria Limited

Export Specifications

Low Sulphur Gas Oil (LSGO)

Sr. No.	Parameter	UoM	Test Method	Specification
1	Appearance	-	Visual	Clear & Bright
2	Colour, ASTM	-	ASTM D1500	3.0 max
3	Specific Gravity at 15/15 °C	-	ASTM D4052	0.8300-0.8600
4	Density at 15°C	gm/cc	ASTM D4052	To Report
5	Acidity (inorganic acid)	mgKOH/g	ASTM D974	Nil
6	Total Acid Number	mgKOH/g	ASTM D664	0.50 max
7	Distillation			
	a) Percentage recovery at 357°C	% vol	ASTM D86	90 min
	b) Final Boiling Point	°C		385 max
8	Flash Point	°C	ASTM D93	66 min
9	Kinematic Viscosity at 40°C	cSt	ASTM D445	2.0 - 5.5
10	Cloud Point	■	ASTM D2500	To Report
11	CCR on 10% Residue	% wt.	ASTM D189	0.15 max
12	Ash	% wt.	ASTM D482	0.01 max
13	Copper Strip Corrosion, 3h at 100°C	rating	ASTM D130	Not worse than No.1
14	Sediment	% wt.	ASTM D473	0.01 max
15	Total Sulphur	ppm	ASTM D5453	50 max
16	Water Content	% vol	ASTM D95	0.05 max
17	Cetane Number	Number	ASTM D613	45 min
18	Cetane Index	Number	ASTM D976	47 min
19	Lubricity, HFRR@60°C	Micron	ASTM D6079	520 max
20	Oxidation Stability	g/m³	ASTM D2274	25 max

End
