

**TABLE 1****GHANA UNLEADED PREMIUM GASOLINE SPECIFICATION**  
**DOMESTIC MARKET**

<b>PROPERTY</b>	<b>UNIT</b>	<b>SPECIFICATION</b>	<b>TEST METHOD</b>
Density @ 15°C	kg/m <sup>3</sup>	725Min – 790 Max	ASTM-D-1298 or ASTM-D-4052
Distillation (ASTM)			
10%	°C	70 Max	ASTM-D-86
50%	°C	115 Max	ASTM-D-86
90%	°C	180 Max	ASTM-D-86
Final Boiling Point	°C	204 Max	ASTM-D-86
Residue	vol%	2 Max	
Total Sulphur	wt%	0.10 Max	ASTM-D-1266
Copper Corrosion 3h @ 40°C		1 Max	ASTM-D-130
Reid Vapour Pressure	kg/m <sup>2</sup>	0.67 Max	ASTM-D-323
Induction Period @ 100°C	min	240	ASTM-D-525
Existent Gum	mg/100ml	5 Max	ASTM-D-381
Research Octane Number		91 min	ASTM-D-2699
Lead Content	g/Litre	0.013 Max	ASTM-D-3237
Manganese Content	g/Litre	0.018 Max	ASTM-D-3831
Colour Commercial		Red	Visual
Dye Content	wt%	0.0008 Max	
Water & Sediment	vol.	0.01 Max	ASTM-D-2709

**TABLE 2**

**GHANA TECHNICAL FUEL SPECIFICATION**  
**IMPORTED UNLEADED GASOLINE**

<b>PROPERTY</b>	<b>UNIT</b>	<b>SPECIFICATION</b>	<b>TEST METHOD</b>
Density @ 15°C	kg/m <sup>3</sup>	725Min – 790 Max	ASTM-D-1298 or ASTM-D-4052
Distillation (ASTM)			
10% recovered at	°C	70 Max	ASTM-D-86
50% recovered at	°C	115 Max	ASTM-D-86
90% recovered at	°C	180 Max	ASTM-D-86
Final Boiling Point	°C	205 Max	ASTM-D-86
Residue	vol.%	2 Max	ASTM-D-86
Total Sulphur	wt%	0.10 Max	ASTM-D-1266
Copper Corrosion 3h @ 40°C		1 Max	ASTM-D-130
Reid Vapour Pressure	kg/cm <sup>2</sup>	0.67 Max	ASTM-D-323
Induction Period @ 100°C	min	240	ASTM-D-525
Research Octane Number		93 min	ASTM-D-2699
Existent Gum	mg/100ml	5 Max	ASTM-D-381
Colour	Visual	Undyed	Visual
Lead Content	g/Litre	0.013 Max	ASTM-D-3237
Alcohol/MTBE or Ethers		0	EN 13132
Manganese Content	g/Litre	Nil	ASTM-D-3831
Benzene	% vol.	Report	ASTM-D-4420
Aromatics	% vol.	Report	ASTM-D-1319
Oxygenates			
• Ethers C <sub>5</sub> +	% vol.	0	EN 13132
• Alcohol C <sub>1</sub> – C <sub>4</sub>	% vol.	0	EN 13132

**Maximum limit of lead content is provided in this standard but any artificial addition of lead is forbidden.**

**TABLE 3****GHANA TECHNICAL FUEL SPECIFICATION  
DIESEL (AUTOMOTIVE GAS OIL)**

<b>PROPERTY</b>	<b>UNIT</b>	<b>SPECIFICATION</b>	<b>TEST METHOD</b>
Density @ 15°C	kg/m <sup>3</sup>	830Min – 870 Max	ASTM-D-1298 or ASTM-D-4052
Evaporated at 360°C	% vol.	85 min	ASTM-D-86
Total Sulphur	%wt	0.5	ASTM-D-1552
Colour, ASTM	No Unit	3 Max	ASTM-D-1500
Flash Point, Persky Masters	°C	55 Min	ASTM-D-8693
Kinematics Viscosity @ 37.8°C	cSt	6.5 Max	ASTM-D-445
Pour Point	°C	+ 15 Max	ASTM-D-97
Conradson Carbon Residue on 10% vol distillation residue	%wt	0.20 Max	ASTM-D-189
Total Acid Number	mg KOH/g	1 Max	ASTM-D-974
Ash	%wt	0.1 Max	ASTM-D-482
Cetane Index		45 min	IP 380
Water by Distillation	% vol.	0.05 Max	ASTM-D-95
Water by Sediment	% vol.	0.10 Max	ASTM-D-473