

	EPLUS (ULG_91)			Special Gasoline (ULG_95)			Super Gasoline (ULG_98)		
PROPERTY	UNITS	TEST METHOD	LIMIT	UNITS	TEST METHOD	LIMIT	UNITS	TEST METHOD	LIMIT
Appearance		Visual	Clear & Bright Liquid		Visual	Clear & Bright Liquid		Visual	Clear & Bright Liquid
Colour		Visual	Red		Visual	Green		Visual	Blue
Corrosion, Copper Strip (3 Hrs. at 50 °C)		ASTM D 130	Max 1		ASTM D 130	Max 1		ASTM D 130	Max 1
Density at 15°C	kg/L	ASTM D 1298 or ASTM D 4052	Min 0.710 Max 0.770	kg/l	ASTM D 1298 or ASTM D 4052	Min 0.710 Max 0.790	kg/l	ASTM D 1298 or ASTM D 4052	Min 0.710 Max 0.80
<u>Distillation</u>									
10 % Vol recovered at	°C	ASTM D 86	Max 65	°C	ASTM D 86	Max 65	°C	ASTM D 86	Max 70
50 % Vol recovered at	°C		Min 77	°C		Min 77	°C		Min 77
			Max 115			Max 115			Max 115
90 % Vol recovered at	°C		Max 180	°C		Max 180	°C		Max 180
End Point	°C		Max 205	°C		Max 215	°C		Max 215
Residue	Vol %	Max 2.0	Vol %	Max 2.0	vol %	Max 2.0			
Gum, Existent	mg/100 ml	ASTM D 381	Max 4.0	mg/100 ml	ASTM D 381	Max 4.0	mg/100 ml	ASTM D 381	Max 4.0
Induction Period	minutes	ASTM D 525	Min 480	minutes	ASTM D 525	Min 480	minutes	ASTM D 525	Min 480
Lead Content	gmPb/l	ASTM D 3237 or ASTM D 5185 or ASTM D 5059	Max 0.005	gmPb/l	ASTM D 3237 or ASTM D 5185 or ASTM D 5059	Max 0.013	gmPb/l	ASTM D 3237 or ASTM D 5185 or ASTM D 5059	Max 0.013
Octane Number, Research		ASTM D 2699	Min 91		ASTM D 2699	Min 95.0		ASTM D 2699	Min 98.0

Octane Number, Motor		ASTM D 2700	Min 83		ASTM D 2700	Min 85.0		ASTM D 2700	Min 87.0
Reid Vapour Pressure at 37.8°C	kg/cm2	ASTM D 323	Min 0.45	kg/cm2	ASTM D 323	Min 0.45	kg/cm2	ASTM D 323	Min 0.45
Summer (Mar-Oct)	kg/cm2		Max 0.60	kg/cm2		Max 0.60	kg/cm2		Max 0.60
Winter (Nov-Feb)	kg/cm2		Max 0.70	kg/cm2		Max 0.70	kg/cm2		Max 0.70
Sulphur, Total	ppm/wt	ASTM D 1266 or ASTM D 3120 or ASTM D 4045 or ASTM D 5453 or UOP 357	Max 100	ppm/wt	ASTM D 1266 or ASTM D 3120 or ASTM D 4045 or ASTM D 5453 or UOP 357	Max 500	ppm/wt	ASTM D 1266 or ASTM D 3120 or ASTM D 4045 or ASTM D 5453 or UOP 357	Max 500
Allowed Oxygenate/M TBE (If added)	vol %	ASTM D 4815	Max 10	vol %	ASTM D 4815	Max 15.0	vol %	ASTM D 4815	Max 15.0
TV/L 20 (Summer)	°C	ASTM D 4814	Report	°C	ASTM D 4814	Report	°C	ASTM D 4814	Report
Aromatics	vol %	ASTM D 1319 or ASTM D 4420/5580	Max 40	vol %	ASTM D 1319 or ASTM D 4420/5580	Max 50.0	vol %	ASTM D 1319 or ASTM D 4420/5580	Max 55.0
Benzene	vol %	ASTM D 3606 or ASTM D 4420/5580	Max 1.7	vol %	ASTM D 3606 or ASTM D 4420/5580	Max 3.0	vol %	ASTM D 3606 or ASTM D 4420/5580	Max 3.5
Olefins	vol %	ASTM D 1319/5580	Max 10.0	vol %	ASTM D 1319/5580	Max 10.0	vol %	ASTM D 1319/5580	Max 10.0
Odour		Olfactory	Marketable		Olfactory	Marketable		Olfactory	Marketable