Unleaded Petrol BS EN 228:2008

Property	Units	Limits Min	Limits Max	Test Method
Research Octane Number, RON		95,0	-	BS EN ISO 5164
Motor Octane Number, MON		85,0	-	ISO 2163
Lead Content	mg/l	-	5,0	BS EN 237
Density @ 15°C	kg/m³	720,0	775,0	BS EN ISO 3675 / 12185
Sulphur Content	mg/kg	-	10,0	BS EN ISO 20846 / 20847 / 20884
Oxidation Stabilty	Minutes	360,0	0,0	BS EN ISO 7536
Existent Gun Content	mg/100ml	-	5,0	BS EN ISO 6246
Copper Corrosion	3hr @ 50°C	Class 1		BS EN ISO 2160
Appearance		Clear and bright		Visual
Hydrocarbon Type Content				
Olefin Content	% v/v	-	18,0	ASTM D1319 / BS EN 14517
Aromatics Content	% v/v	-	35,0	ASTM D1319 / BS EN 14517
Benezene Content	% v/v	-	1,0	BS EN 12177 / 238 / 14571
Oxygen Content	% m/m	-	2,7	BS EN 1601 / 13132
Oxygenates Content				
Methanol		-	3,0	
Ethanol - including Bioethanol	% v/v	-	5,0	
Iso-Propyl Alcohol	% v/v	-	10,0	
Iso-Butyl Alcohol	% v/v	-	10,0	
Tert-Butyl Alcohol	% v/v	-	7,0	
Ethers (5 or more C atoms)	% v/v	-	15,0	
Other Oxygenates	% v/v	-	10,0	
Vapour Pressure (DVPE)				
Summer (1 June – 31 August)	kPa	45,0	70,0	
Intermediate (1 September – 15 October)	kPa	45,0	100,0	
Winter (16 October – 15 April)	kPa	70,0	100,0	
Intermediate (16 April – 31 May)	kPa	45,0	100,0	
Vapour Lock Index (10VP + 7E70)				
16 April – 31 May			1250,0	
1 September – 15 October			1250,0	
% Evaporated @ 70°C, E70				BS 2000-123
Transition (16 April – 31 May)	v/v	20,0	50,0	
Summer (1 June – 31 August)	v/v	20,0	48,0	
Transition (1 September – 15 October)	v/v	20,0	50,0	
Winter (16 October – 15 April)	v/v	22,0	50,0	
% Evaporated @ 100°C, E100	v/v	46,0	71,0	BS 2000-123
% Evaporated @ 150°C, E150	v/v	75,0	-	BS 2000-123
Final Boiling Point (FBP) °C	°C	-	210	BS 2000-123
Distillation Residue	% v/v	-	2	BS 2000-123

Notes

1. The fuel covered by this standard is intended for use in petrol-engined road vehicles which require high octane unleaded petrol.
2. Parameters that do not form part of the BS EN 228 are routinely tested as per confidential agreements with individual customers.

Ukay fuels LTD.
26.10.2011