

99 Octane unleaded petrol

Date of sampling: 14.10.2005
Samples taken by: Independent Inspector

Test	Method	Units	Results
Appearance	Visual		Bright and Clear
Density at 15°C	ASTM D4052	kg/l	0.7472
Research Octane Number	BS 2637		99.0
Motor Octane Number	BS 2638		86.0
Oxygen Content	Calculated	% (m/m)	2.72
I.B.P	ISO 3405	°C	30.9
10% v rec. at	ISO 3405	°C	45.1
20% v rec. at	ISO 3405	°C	50.7
50% v rec. at	ISO 3405	°C	84.5
90% v rec. at	ISO 3405	°C	160.7
F.B.P	ISO 3405	°C	199.4
% v evap. at 70°C	ISO 3405	vol %	43.1
% v evap. at 100°C	ISO 3405	vol %	60.1
% v evap. at 150°C	ISO 3405	vol %	85.8
% v evap. at 180°C	ISO 3405	vol %	97.8
Recovery	ISO 3405	vol %	96.7
Residue	ISO 3405	vol %	0.8
Loss	ISO 3405	vol %	2.5
Vapour Lock Index	Calculated		1072
Vapour pressure at 37.8°C	EN/ISO 13016-1pr	kPa	77.0
Aromatics	ASTM D1319	vol %	33.9
Olefins	ASTM D1319	vol %	11.7
Benzene	EN 238	vol %	0.4
Sulphur	ISO 8754	ppm	49
M.T.B.E	IP 466	vol %	7.8
T.B.E.E	IP 466	vol %	0.6
T.A.M.E	IP 466	vol %	< 0.1
Methanol	IP 466	vol %	< 0.1
I.P.A	IP 466	vol %	< 0.1
Ethanol	IP 466	vol %	3.3
Sec-Butanol	IP 466	vol %	< 0.1
N-Propanol	IP 466	vol %	< 0.1
1-Butanol	IP 466	vol %	< 0.1