



SULPHUR FREE UNLEADED PETROL (BS EN 228)

SHEET 1 - 3

PROPERTY & UNITS	LIMIT		TEST METHOD Note (1)
Appearance		Clear & Bright	
Density @ 15°C (kg/m ³)	Min - Max	720.0 - 775.0	BS EN ISO 3675
Doctor Test or Mercaptan Sulphur (% Wt)	- Max	Neg 0.0015	IP30 IP342
Octane Rating (Corrected)			
Research	Min	95.0	EN ISO 5164
Motor	Min	85.0	EN ISO 5163
Distillation		Summer / Winter / Intermediate	EN ISO 3405:1998 / IP123
% Vol Evap @ 70°C	-	20.0 - 48.0	
% Vol Evap @ 100°C	-	46.0 - 71.0	
% Vol Evaporated @ 150°C	-	75.0	
FBP °C	Max	210	
Residue (% Vol)	Max	2	
Reid Vapour Pressure			
Summer	Range	45.0 - 70.0 (2)	BS 2000: Part 394
Winter	Range	70.0 - 100.0 (2)	
Intermediate	Range	45.0 - 100.0 (2)	
Vapour Lock Index	Max	Intermediate : 1250	ISO 3405 Note (3)
Lead (mg/l)	Max	5.0	BS EN 237:1996
Sulphur (mg/kg)	Max	10.0	EN ISO 20846 / 20884
Existent Gum (mg/100ml)	Max	5.0	BS EN ISO 6246
Oxidation Stability - Mins	Min	360	BS EN ISO 7536
Copper Corrosion 3 Hours @ 50°C	Max	1	BS EN ISO 2160
Benzene Content(% Vol)	Max	1.0	BS EN 12177:1998 / BS EN 238:1996
Olefins (% Vol)	Max	18.0	ASTM D1319:1995
Aromatics (% Vol)	Max	35.0	ASTM D1319:1995
Oxygen Content (%Mass)	Max	2.7	BS EN 1601:1997
Ethanol (%V/V)	Max	5.0	

Notes.

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| 1) Latest Test Methods or technical equivalent used | 4) Oxygenate content limited as specified in BS EN 228. |
| 2) Conforms with seasonal volatility requirements of BS EN 228 at point of sale :-
Summer : 1 June - 31 August inc
Winter : 16 Oct - 15 April
Intermediate : 16 Apr - 31 May and 1 Sept - 15 Oct | 5) This product may contain a multifunctional gasoline additive package. |
| 3) VLI = 10(VP) + 7(E70%) | 6) Ethanol must meet EN 15376 |

THIS SPECIFICATION IS ACCURATE AT THE DATE OF ISSUE, AND SUPERSEDES ALL PREVIOUS ISSUES.