

PRODUCT SPECIFICATIONS

Specification I.S. EN 228: 2008 (Note 3)	PETROL
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Property	Min	Max	Units	Test Method
Appearance	Clear and Bright			Visual Inspection
Density (at 15°C)	720	775	kg/m ³	EN ISO 3675 EN ISO 12185
Octane No. Research Method	95			EN ISO 5164
Octane No. Motor Method	84.7			EN ISO 5163
Lead Content	-	5	mg/l	EN 237
Doctor Test	Neg			IP 30
Copper Corrosion (3 Hrs @ 50°C)	Class 1		Rating	EN ISO 2160
Existent Gum Content (Solvent Wash)	-	5	mg/100ml	EN ISO 6246
Sulphur content	-	10.0	mg/kg	EN ISO 20846 EN ISO 20884
Oxidation Stability	360	-	mins	EN ISO 7536
Olefins content	-	18.0	% v/v	ASTM D 1319 EN 14517
Aromatics content	-	36.5	% v/v	ASTM D 1319 EN 14517
Benzene content	-	1.05	% v/v	EN 12177 EN 14517 EN 238
Oxygen content	-	0.9	% m/m	EN 1601 EN 13132
Oxygenates content: - methanol - ethanol - ETBE/MTBE	- - -	0.1 0.1 4.9	% v/v	EN 1601 EN 13132

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Property	Min	Max	Units	Test Method
Distillation:				EN ISO 3405
% Evaporated at 70°C (E70) (Note 1)				
Summer (Class B)	20.0	43.0	% v/v	
Transition (Class B Min, F1 Max)	20.0	43.0	% v/v	
Winter (Class F)	22.0	43.0	% v/v	
% Evaporated at 100°C (E100)	46.0	69.0	% v/v	
% Evaporated at 150°C (E150)	75.0	-	% v/v	
Final Boiling Point	-	210	°C	
Distillation residue	-	2	% v/v	
Vapour Pressure: (VP) (Note 1)				EN 13016-1
Summer	45.0	63.0	kPa	
Transition	45.0	93.0	kPa	
Winter	70.0	93.0	kPa	
Vapour Lock Index: 10*VP+7*E70				
Transition (Note 2)	-	1,210		

Notes:

- The Summer, Transition and Winter specifications refer to products available ex Refinery jetty and loading rack in the following periods:

 Summer Grade: 17th May – 31st August.

 Transition periods: 16th April – 17th May and 1st September – 15th October.

 Winter Grade: 16th October – 15th April.

- The vapour pressure (VP) and % evaporated at 70°C (E70) may vary between the above limits during the transition periods, to comply with Vapour Lock Index (VLI) maximum.
- This specification meets or exceeds EN 228: 2008 when 4.0 – 4.8% Ethanol is added.