



PRODUCT SPECIFICATION SHEET

ETHANOL



1. PRODUCT DETAILS

Product:	Ethanol
Applicable Standards:	BS EN 15376:2014
Use:	For use as a blend component in unleaded petrol
Notes:	a See 4.6.1 in BS EN 15376:2014. All test methods referred to in this EU standard include a precision statement according to EN ISO 4259. In cases of dispute, the procedures for resolving the dispute and interpretation of the results based on the test method precision, described in EN ISO 4259, shall be used.
	b The result of this test method refer to the water free sample
	c Higher saturated alcohols have the chemical formula $C_n H_{2n+1}OH$, where n is 3, 4 or 5
	d See 4.6.2 in BS EN 15376:2014. In cases of dispute covering water content, EN 15489 shall be used
	e To be measured prior to additivation
	f See 4.6.3 in BS EN 15376:2014. In cases of dispute concerning copper of Sulfur content, EN 15387 shall be used
	g See 4.6.4 in BS EN 15376:2014. In cases of dispute concerning phosphorus content, EN 15487 shall be used

2. SPECIFICATION

PROPERTY	UNIT	LIMITS		TEST METHOD ^a
		MINIMUM	MAXIMUM	
Ethanol + higher saturated alcohols content	% (m/m)	98.7	-	EN 15721 ^b
Higher saturated (C3-C5) mono-alcohols content ^c	% (m/m)	-	2.0	EN 15721 ^b
Methanol Content	% (m/m)	-	1.0	EN 15721 ^b
Water Content ^d	% (m/m)	-	0.300	EN 15489 EN 15692
Total acidity (expressed as acetic acid)	% (m/m)	-	0.007	EN 15491
Electrical Conductivity ^e	uS/cm	-	2.5	EN 15938
Appearance		Clear and colourless		EN 15769
Inorganic Chloride Content	mg/kg	-	1.5	EN 15492
Sulfate Content	mg/kg	-	3.0	EN 15492
Copper Content ^f	mg/kg	-	0.100	EN 15488 EN 15837
Phosphorus Content ^g	mg/l	-	0.15	EN 15487 EN 15837
Involatile Material Content	mg/100ml	-	10	EN 15691
Sulfur Content	Mg/kg	-	10.0	EN 15485 EN 15486 EN 15837