



PRODUCT SPECIFICATION SHEET HYDROTREATED VEGETABLE OIL



1. PRODUCT DETAILS

Product:	Hydrotreated Vegetable Oil (HVO)
Applicable Standards:	BS EN 15940:2016
Use:	In diesel engines
Notes:	<ol style="list-style-type: none"> 1. Appearance is clear and bright 2. * Including lubricity additive when delivered to be used as such in vehicles which are validated for EN 15940 fuel 3. ** If delivered without lubricity additive to be used as a blending component, preference is to add lubricity additive into the final blend

2. SPECIFICATION

PROPERTY	UNIT	LIMITS		TEST METHOD	
		MINIMUM	MAXIMUM		
Cetane Number	-	70.0	-	EN ISO 15195	
Density at 15 °C	kg/m ³	770.0	790.0	BS EN ISO 12185	
Total Aromatics	% (m/m)	-	1.0	EN 12916	
Polyaromatics	% (m/m)	-	0.1	EN 12916	
Sulfur	mg/kg	-	5.0	EN ISO 20846	
Fatty Acid Methyl ester (FAME) content	% (v/v)	-	-	EN 14078	
Flashpoint	°C	> 61.0	-	BS EN ISO 2719A	
Carbon Residue (on 10% Distillation Residue)	% (m/m)	-	0.10	BS EN ISO 10370	
Ash Content	% (m/m)	-	0.001	BS EN ISO 6245	
Water Content	mg/kg	-	200	BS EN ISO 12937	
Total Contamination	mg/kg	-	10	EN 12662	
Copper Corrosion (3h at 50°C)	Rating	Class 1		EN ISO 2160	
Oxidation Stability	g/m ³	-	25	BS EN ISO 12205	
Lubricity HFRR at 60 °C	um		460*	ISO 12156	
			650**	ISO 12156	
Kinematic Viscosity at 40 °C	mm ² /s	2.00	4.00	BS EN ISO 3104	
Distillation:					
	95%	% (v/v)	-	320	BS EN ISO 3405
	90%	% (v/v)	282	338	BS EN ISO 3405
Final Boiling Point	°C	-	330	BS EN ISO 3405	
Cloud Point	°C	-	-22	EN 23015	