

PROPERTY			LIMITS	TEST METHOD I.P ASTM	RESULTS
APPEARANCE					
Visual			Clear & bright and visually free from solid matter and undissolved water at normal ambient temperature	SEE NOTE	Clear & bright and visually free from solid matter and undissolved water at normal ambient temperature
Colour			TO BE REPORTED - SEE NOTE 1	D 156	29
Particulate contamination	MG/L	MAX	1	423 D 5452	0.1
Particulate, at point of manufacture, cumulative channel particle counts	ISO Code			565	
>= 4 µm(c)			TO BE REPORTED	IP 564	17
>= 6 µm(c)			TO BE REPORTED	IP 564	17
>= 14 µm(c)			TO BE REPORTED	IP 564	15
>= 21 µm(c)			TO BE REPORTED	IP 564	14
>= 25 µm(c)			TO BE REPORTED	IP 564	14
>= 30 µm(c)			TO BE REPORTED	IP 564	12
COMPOSITION					
Total Acidity	mgKOH/g	MAX	0.015	354 D 3242	0.004
Aromatics	%VOL	MAX	25	156 D 1319	19.5
Sulphur, Total	%(m/m)	MAX	0.3	336 D 1266	0.00
Mercaptan Sulphur	%(m/m)	MAX	0.003	342 D 3227	<3.0
Or Doctor Test			NEGATIVE- SEE NOTE 6	30 D 4952	Negative
Hydroprocessed components in batch	%VOL		to be reported (incl 'nil' or '100%')	SEE NOTE	100.00
Severely hydroprocessed components	%VOL		to be reported (incl 'nil' or '100%')	SEE NOTE	
VOLATILITY					
Distillation					
Initial Boiling Point IBP	deg C		to be reported	D 86	163.0
10% (v/v) recovered at	deg C	MAX	205	D 86	182.0
50% (v/v) recovered at	deg C		to be reported	D 86	199.0
90% (v/v) recovered at	deg C		TO BE REPORTED	D 86	232.0
Final boiling point FBP	deg C	MAX	300	D 86	258.0
Recovered at 250 deg C					
Residue	%VOL	MAX	1.5	D 86	1.0
Loss	%VOL	MAX	1.5	D 86	1.0
Flash Point	deg C	MIN	38	170 D 3828	51.0
Density (at 15 deg C)	Kg/m3		775 min to 840 max	365 D 1298	809.0
FLUIDITY					
Freezing Point	deg C	MAX	-47	435 D 2386	-52.0
Viscosity (at -20 deg C)	mm2/s	MAX	8.0	71 D 445	4.800
COMBUSTION					
Specific Energy, net	MJ/Kg	MIN	42.8	381 D 4529	45.40
Smoke Point or	mm	MIN	25	57 D 1322	25.0
Smoke Point and Naphthalenes	Mn	Min	19	57 D 1322	
	% vol	Max	3.0	D 1840	
CORROSION					
Corrosion copper strip classification (2 hours +/- 5 min at 100 deg C +/- 1°C)	rating	MAX	1	154 D 130	1A
STABILITY					
Thermal stability (JFTOT) control temp 260 deg C				323	
Filter Pressure Differential	mm HG	MAX	25.0	D 3241	0.0
Tube Deposit Rating (Visual)			Less than 3, no Peacock or Abnormal colour deposit	D 3241	1.0
CONTAMINANTS					
Existent Gum content	mg/100ml	MAX	7	131 D 381	2
Water Reaction: interface	rating	MAX	1b	289 D 1094	1
Water Reaction: Separation	rating			D 1094	
Microseparometer (MSEP)				D 3948	
Fuel With SDA	rating	MIN	70	D 3948	88
Fuel Without SDA	rating	MIN	85	D 3948	
CONDUCTIVITY					
Electrical conductivity	pS/m		50 min to 600 max	274 D 2624	241
LUBRICITY					
BOCLE wear scar diameter	mm	MAX	0.85	D 5001	
ADDITIVES					
Antioxidant					
In Hydroprocessed & Syntetic Fuels (Mandatory)	mg/l		SEE NOTE 17		22.0
In Non - Hydroprocessed Fuels (Optional)	mg/l	MAX	24		NIL
Metal deactivator	mg/l	MAX	5.7		NIL
Static dissipater					
First doping STADIS 450	mg/l	MAX	3		1.0
Re-doping					