

Technical Datasheet

Part Description: SUSTAIN Racing 100E
Part Code: 10003791

Date: 26/03/25

Test	Method	Unit	Limits		Typical Result
			Min	Max	
Appearance	Visual		Report		C&B
Bio-Content	Blending	% v/v	100.0	-	100
RON ^	EN ISO 5164		100.0	-	107.3
MON ^	EN ISO 5163		-	-	88.7
Density @ 15°C ^a	EN ISO 12185	kg/m³	770.0	794.0	784.5
DVPE @ 37.8°C ^	EN 13016-1	kPa	35.0	50.0	36.5
Sulfur ^a	EN ISO 20846	mg/kg	-	10.0	<3
Water ^	EN ISO 12937	% m/m	-	1.00	0.194
PIONA					
n-Paraffins ^	ASTM D6730 mod	% v/v	Report		2.2
iso-Paraffins ^	ASTM D6730 mod	% v/v	Report		7.4
Olefins ^	ASTM D6730 mod	% v/v	-	5.0	0.5
Naphthenes ^	ASTM D6730 mod	% v/v	Report		1.3
Aromatics ^	ASTM D6730 mod	% v/v	-	35.0	7.3
Unknowns ^	ASTM D6730 mod	% v/v	Report		0.2
Benzene ^	ASTM D6730 mod	% v/v	-	1.0	0.03
Di-Olefins ^	ASTM D6730 mod	% m/m	-	1.0	<1.0
OXYGENATES					
Methanol ^	ASTM D6730 mod	% v/v	-	0.1	<0.1
Ethanol ^	ASTM D6730 mod	% v/v	80.0	85.0	81.1
MTBE ^	ASTM D6730 mod	% v/v	-	0.1	<0.1
ETBE ^	ASTM D6730 mod	% v/v	-	0.1	<0.1
Other ^	ASTM D6730 mod	% v/v	-	0.1	<0.1
Oxidation Stability ^	EN ISO 7536	min	360	-	>360
Copper Corrosion (3h at 50°C) ^	EN ISO 2160	Rating	-	Class 1	1A
Existent Gum - Washed ^	EN ISO 6246	mg/100mL	-	1.0	<1
Lead ^	EN 237	mg/L	-	2.5	<2.5
Manganese ^	ASTM D3831	mg/L	-	2.0	<0.25
Carbon ^	ASTM D6730 mod	% m/m	Report		58.32
Hydrogen ^	ASTM D6730 mod	% m/m	Report		13.16
Oxygen ^	ASTM D6730 mod	% m/m	Report		28.53
Nitrogen ^	ASTM D4629	mg/kg	-	500	<1
C/H Mole Ratio ^	Calculation		Report		0.37
C/O Mole Ratio ^	Calculation		Report		2.72
Gross Calorific Value ^	ASTM D3338 mod	MJ/kg	Report		32.37
Net Calorific Value ^	ASTM D3338 mod	MJ/kg	Report		29.58
Air Fuel Ratio ^	Calculation		Report		10.00
Distillation (Evaporated) ^a					
E70 ^a	EN ISO 3405	% v/v	Report		6.3
E100 ^a	EN ISO 3405	% v/v	Report		95.9
E150 ^a	EN ISO 3405	% v/v	Report		96.0
E180 ^a	EN ISO 3405	% v/v	Report		97.4
10% Volume Evaporated ^a	EN ISO 3405	°C	Report		72.9
50% Volume Evaporated ^a	EN ISO 3405	°C	Report		78.0
90% Volume Evaporated ^a	EN ISO 3405	°C	Report		79.6
FBP ^a	EN ISO 3405	°C	-	210.0	167.2
Residue ^a	EN ISO 3405	% v/v	Report		2.6

^a Test UKAS accredited [^] Test not UKAS accredited * Test performed by sub-contracted lab - Test is UKAS accredited at sub-contracted lab

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